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EXCAVATIONS AT HARAPPĀ

BEING AN ACCOUNT OF ARCHÆOLOGICAL
EXCAVATIONS AT HARAPPĀ CARRIED OUT
BETWEEN THE YEARS 1920-21 AND 1933-34

BY
MADHO SARUP VATS, M.A.,
Deputy Director-General of Archaeology in India

In two volumes with plans and plates

Volume I.—Text
Volume II.—139 Plates



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(a) PART OF MOUND AB WITH THE TOMB OF NAUGAZA, FROM NORTH-EAST.



(b) WEST SIDE OF MOUND AB WITH MOUND F IN THE BACKGROUND, LOOKING NORTH.



(c) ARCHAEOLOGICAL CAMP AND MUSEUM, FROM NORTH-EAST.



(d) NORTH-EAST SPUR OF MOUND AB SHOWING MUD BRICK TERRACING.



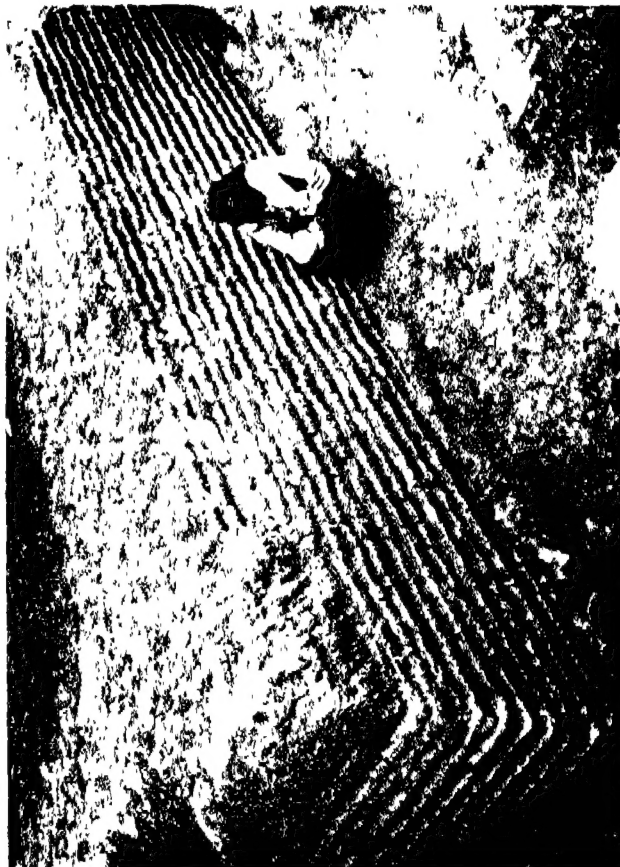
(a) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING SOUTH.



(b) THE GREAT GRANARY, PANORAMIC VIEW, LOOKING EAST.



(b) NARROW TRENCH SHOWING A SECTION OF THE RETAINING WALL
TO EAST OF THE GREAT GRANARY, LOOKING SOUTH



(d) RETAINING WALL OF THE GREAT GRANARY, FROM SOUTH-WEST.



(a) THE GREAT GRANARY, FROM SOUTH-WEST



(c) FLIGHT OF STEPS IN THE CENTRAL AISLE ABUTTING AGAINST
THE WESTERN BLOCK OF THE GREAT GRANARY.



(b) HOUSE 1 TO WEST OF THE GREAT GRANARY, FROM SOUTH-WEST.



(d) EXTENSION TO WEST OF THE GREAT GRANARY, SHOWING EARTHENWARE JARS IN *SHU* AND WORK IN PROGRESS FROM SOUTH-EAST-SOUTH.



(a) EXTENSION TO WEST OF THE GREAT GRANARY, LOOKING NORTH.



(c) EXTENSION TO EAST OF THE GREAT GRANARY, FROM NORTH-WEST.



(a) EARTHENWARE JAR OF STRATUM V FILLED WITH TRIANGULAR TERRACOTTA CAKES.



(b) POTTERY GROUP OF STRATUM II *in situ*



(c) EARTHENWARE JAR No. 3760 *in situ*.



(d) POTTERY GROUPS Nos. 7338 TO 7340 AND 7360 *in situ*.



(e) A LINE OF SEVEN LONG OVAL VASES *in situ* CONTAINING SMALL CYLINDRICAL VASES.



(b) DRAIN AND SINK IN TRENCH Ae.



(d) BRICK-ON-EDGE PAVEMENT OF STRATUM I
IN TRENCH Ae.



(a) GENERAL VIEW OF TRENCH Af FROM NORTH-WEST.



(c) LINGAM *in situ* IN TRENCH Al.



(b) WORKMEN'S QUARTERS, LANE I WITH BLOCK II TO RIGHT, FROM WEST



(d) NORTHERN END SHOWING THE FINISHPOT OF SEALS, BEADS ETC., FROM EAST.



(a) WORKMEN'S QUARTERS, LANE II BETWEEN BLOCKS I AND II, LOOKING WEST



(c) NORTHERN PORTION SHOWING CIRCULAR BRICK-ON-EDGE PLATFORMS NOS. 1 TO 3, FROM SOUTH-EAST.



(a) WORKMEN'S QUARTERS HOUSES 3 AND 5 WITH LANE V BETWEEN THEM
FROM SOUTH.



(b) WORKMEN'S QUARTERS, PARTIAL VIEW OF BLOCKS I AND II WITH TRENCH
A IN THE BACKGROUND, FROM SOUTH-WEST.



(c) GENERAL VIEW FROM NORTH.



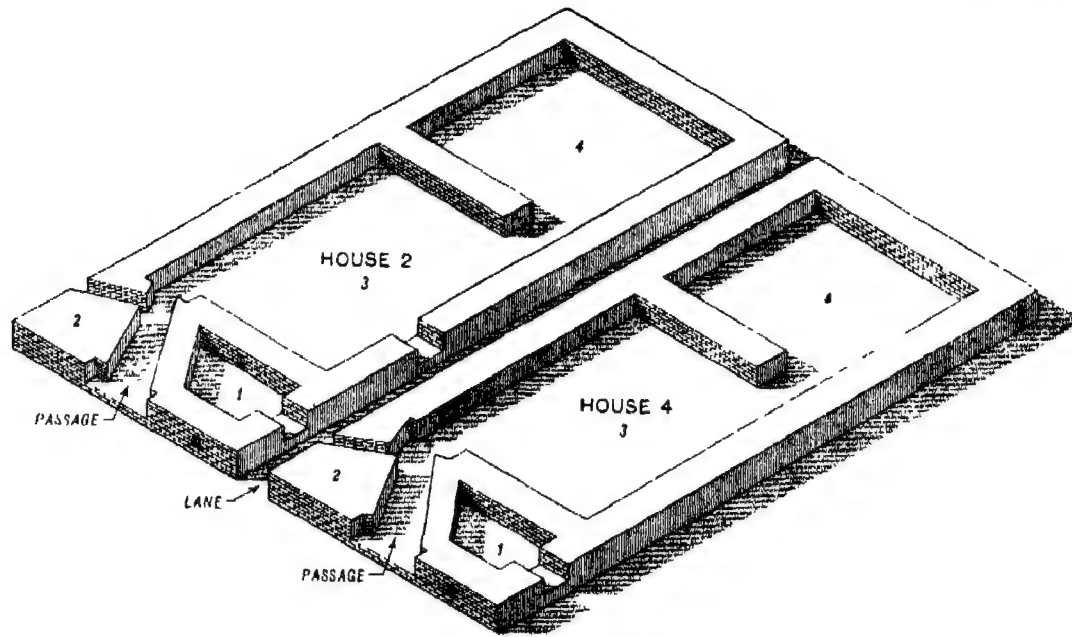
(d) WORKMEN'S QUARTERS, PARTIAL VIEW SHOWING QUADRILATERAL-SHAPED
ROOMS IN BLOCKS I AND II, FROM NORTH-WEST.



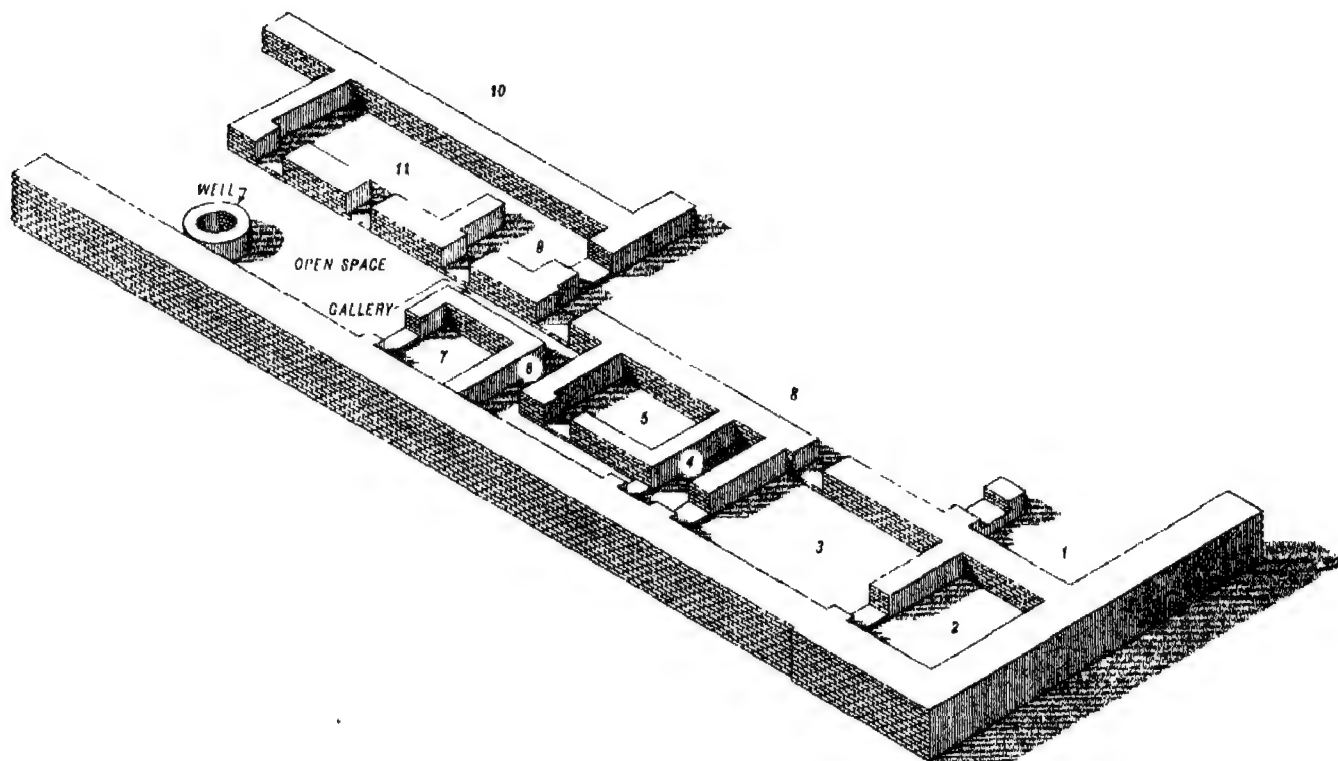
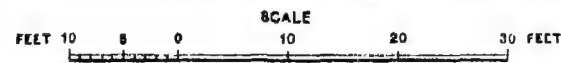
(a) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO LEFT FROM EAST



(b) PANORAMIC VIEW OF TRENCHES IV AND V WITH WORKMEN'S QUARTERS TO RIGHT, FROM WEST



a. MOUND F, TRENCH IV, WORKMEN'S QUARTERS. ISOMETRIC PROJECTION OF HOUSES 2 & 4



b. MOUND F, TRENCH VI, ISOMETRIC PROJECTION OF HOUSE 1





(b) TRENCH V. BOVINE BONES AND COPPER SPEAR-HEAD No. 10008 BELOW
A WALL OF STRATUM IV IN SQ. J 12/25.



(d) TRENCH V. WELL WITH PAVEMENT AND WATER JARS, FROM
NORTH-WEST.



(a) TRENCH IV. DEEP DIGGING SHOWING
SEVERAL LAYERS OF NODULES.



(c) TRENCH V. GENERAL VIEW, LOOKING EAST.



(a) FURNACE Fa WITH A PART OF THE ROOF
VAULT LYING INSIDE.



(b) FURNACE Fa SHOWING FLUES IN THE VAULT
AFTER CLEARANCE.



(c) FURNACE Fj.



(d) FURNACE Fc WITH DIVIDING
WALL INSIDE



(e) PAVED CIRCULAR MANGER LINED WITH
BRICK-ON-EDGE.



(f) FURNACE Ff.



(a) TRENCH V. PART OF A DRAIN WITH
LIME PLASTER IN Sq. J 12/9.



(b) TRENCH V. DEEP DIGGING AT THE EASTERN
END SHOWING BROKEN POTTERY.



(d) TRENCH IV. *Deq*-SHAPED LARGE POTTERY
VESSEL COVERED BY A WALL OF
STRATUM III IN Sq. I 11/10.



(c) TRENCH IV. FURNACE Fd.



(f) TRENCH IV. FURNACE Fg.



(c) TRENCH V. GOBLETS WITH POIN-
TED BASES *in situ* IN Sq. J 12/15.



(g) TRENCH IV. LARGE POTTERY
VESSEL SHAPED LIKE A GOBLET
WITH POINTED BASE IN
Sq. I 12/7.



(b) GENERAL VIEW FROM SOUTH-EAST-SOUTH.



(d) DETAIL VIEW OF MUD HUTS AT THE SOUTHERN END.



(a) GENERAL VIEW FROM NORTH-WEST-NORTH.



(c) VIEW OF THE CENTRAL SECTION SHOWING STRATA I TO VI FROM NORTH-WEST.



(b) DEEP DIGGING AND THE NORTHERN SECTION
SHOWING LIGHT STRATA OF OCCUPATION,
FROM SOUTH-WEST.



(d) CENTRAL SECTION SHOWING A FINE RECTANGULAR
PAVEMENT OF STRATUM V



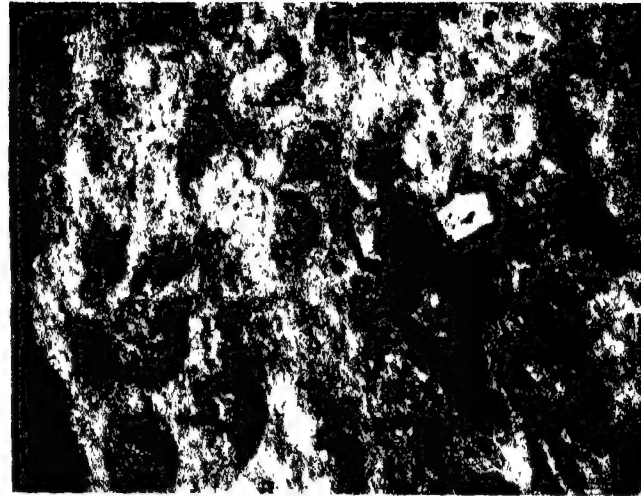
(a) VIEW OF THE NORTHERN SECTION, FROM SOUTH-WEST



(c) CRUSHED POTTERY LYING AGAINST A WALL OF STRATUM V IN S.O. M 11/11.



(b) CENTRAL SECTION, COPPER JAR NO. 271
OF STRATUM III IN SITU.



(d) EASTERN PART OF THE DEEP DIGGING
SHOWING BOVINE BONES INCLUDING
FOREPART OF A SKULL.



(a) CENTRAL SECTION, SEALS, WEIGHTS, ETC
OF STRATUM IV IN SITU.



(c) WESTERN CUTTING OF THE DEEP DIGGING
SHOWING COMPRESSED LAYERS OF GREEN
EARTH PRECEDED AND FOLLOWED BY
SOFT WHITE SOIL.



(a) NORTHERN SECTION, POTTERY JARS 1033 A AND B BESIDES A BROKEN PAVEMENT OF STRATUM III.



(b) NORTHERN SECTION, POST-CREMATION URN No. 3686 IN SQ. M 10/15 WITH A HUMAN TIBIA INSIDE.



(c) SOUTHERN SECTION SHOWING TWO RECTANGULAR HEARTHS OF STRATUM IV AND CIRCULAR MANGERS OF STRATUM V IN SQ. M 12/19.



(d) PARTIAL VIEW OF POTTERY IN SQ. M 12/17.



(e) INSCRIBED JAR AND JAR-STANDS OF STRATUM VI IN SQ. M 12/6.

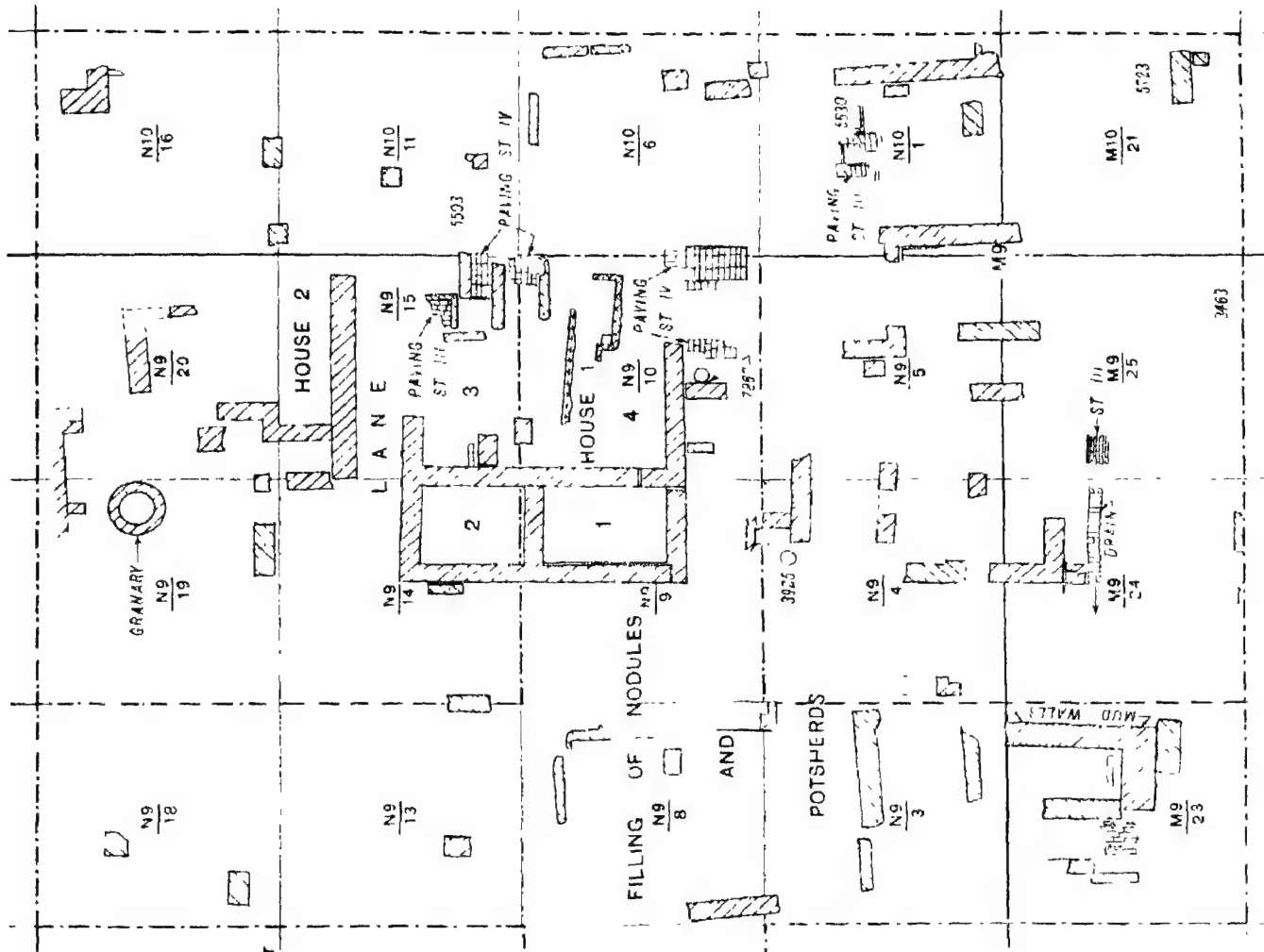


(f) BROAD AND SHALLOW TROUGH OF STRATUM VI IN SQ. M 11/13.

HARAPPA

MOUND F TRENCH III

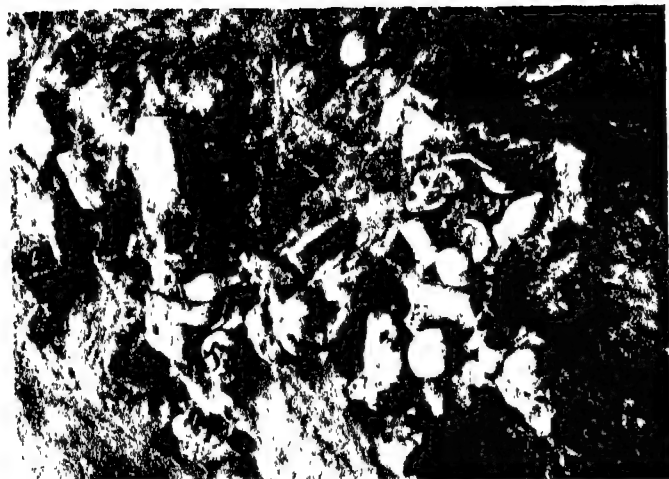
SCALE



REFERENCES

| | |
|-----------|-----------|
| STRATUM I | STRATUM V |
| DO II | DO VI |
| DO III | DO VII |
| DO IV | DO VIII |

ST = STRATUM



(a) TRENCH III. GROUP OF POLYCHROME AND OTHER POTTERY NO. 5723 IN situ.



(b) TRENCH III. CONTENTS OF A POST-CREMATION URN LYING IN THE LANE BETWEEN HOUSES 1 AND 2.



(c) TRENCH III. PARTIAL VIEW OF HOUSES 1 AND 2 OF STRATUM IV, FROM SOUTHWEST.



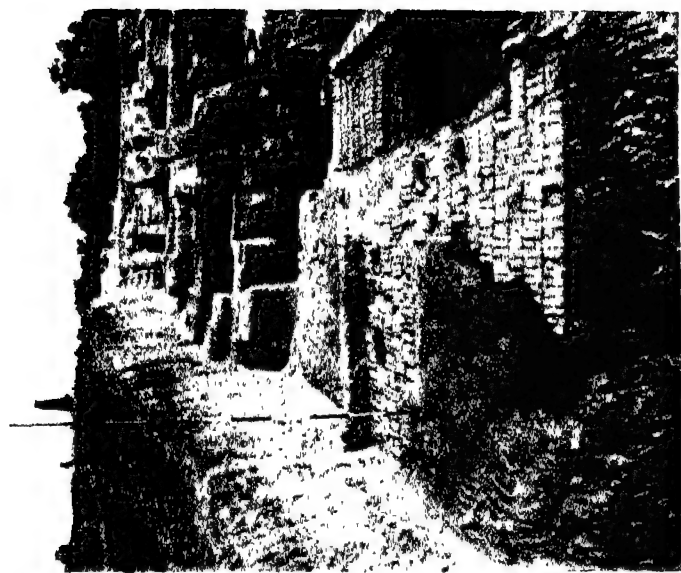
(d) TRENCH VI. BOVINE BONE AND POTTERY IN SINK 1 IN NO. P 10 S.



(a) EASTERN PART OF HOUSE 1 OF STRATUM IV,
FROM NORTHWEST



(c) BRICK AND NON-BRICK TYPES OF POTSHARDS
MIXED WITH BOTTLE FRAGMENTS AND BRICKFRAGMENTS IN
SECTION P 10.11 AND P 9.17.



(b) WESTERN PART SHOWING IN THE FOREGROUND
JAR-FRAGMENTS EMBEDDED IN A LARGE PARTMENT,
LOOKING NORTH.



(d) ALTERNATE COURSES OF MUD AND BURNED BRICKS IN THE
OUTER WALLS OF ROOM 1, HOUSE 2, FROM NORTH-EAST.



(b) EXTENSION L, BACK PART OF A HOUSE BUILT UNDER FILLS,
FROM NORTH-WEST



(d) LANE TO THE EAST OF HOUSES 1 AND 2 BLOCKED
BY LATER WALLS, FROM SOUTH



(a) EASTERN PART OF HOUSE 1 OF STRATUM IV AND OTHER
STRUCTURES, FROM NORTH-EAST.



(c) UPWARDSWART JARS OF STRATA I TO III IN THE SOUTHERN PART
OF THE NORTHERN SECTION, LOOKING WEST.



(b) RECTANGULAR PAVEMENT WITH BRICK EDGING IN TWO PARTS



(d) GENERAL VIEW FROM EAST-SOUTH-EAST.



(a) GENERAL VIEW SHOWING MULTIPLE STRATA, FROM SOUTH-WEST



(c) HEAP OF ANIMAL BONES OF STRATUM IV FOUND IN THE CENTRE OF THE TRENCH.



(c) EASTERN PART SHOWING PAVEMENT, GABLE ROOFED DRAIN ACROSS THE CENTRE AND SIDE OVER BURIAL NO. 1440 IN THE BACKGROUND, FROM NORTH-WEST-NORTH



(d) GENERAL VIEW SHOWING A DILAPIDATED PAVEMENT AND FRAGMENTARY REMAINS, LOOKING EAST.



(a) GENERAL VIEW SHOWING FRAGMENTARY NATURE OF THE REMAINS, FROM SOUTH-EAST



(e) LARGE DRAIN OF STRATUM V WITH A GABLE ROOFED DRAIN ABOUT, FROM EAST.



(71) SPILL WATER JARS ENCLOSED BY BRICK RESERVOIRS EXPEDITED ALONG THE WESTERN END OF A GABLE ROOFED DRAIN OF STRATUM IV FROM NORTH-EAST.



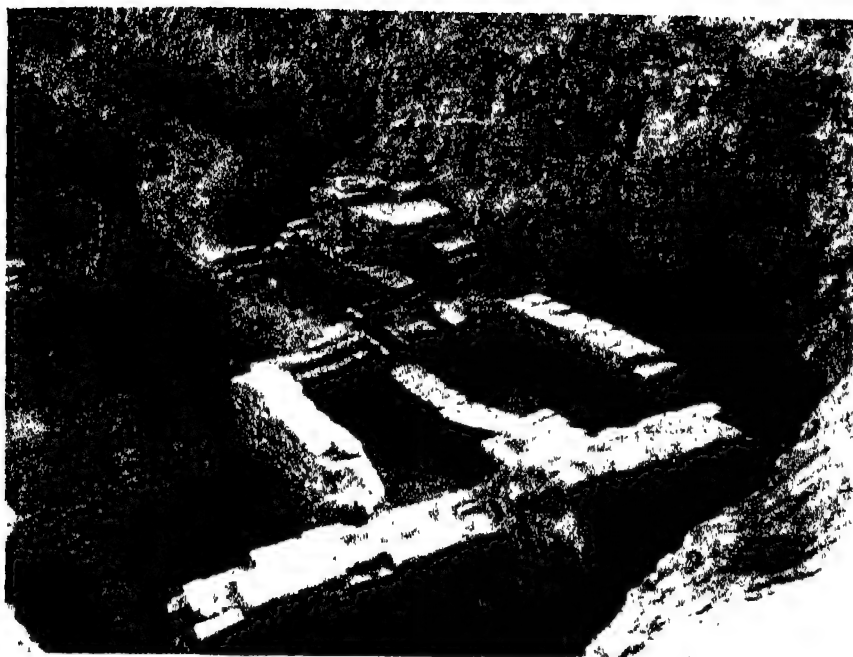
(72) HOUSE 1 OF STRATUM III CONSTRUCTED AGAINST AN EXISTING WALL OF STRATUM IV FROM SOUTH-EAST.



(73) SAUCER-SHAPED DEPRESSION OF STRATUM III WITH FILMY COATING OF FULLER'S LARVAE



(74) ENCLOSURE SHOWING FRACTIONAL BURIAL NO 5440, FROM NORTH-WEST.



(a) PIT IV. REMAINS OF A ROOM AND DRAIN OF STRATUM IV WITH A LATER PAVEMENT IN THE BACKGROUND, FROM SOUTH-WEST.



(b) EXTENSION OF PITS I AND II. POST-CREMATATION TROUGH NO. 3868 CONTAINING A TORTOISE SHELL, POTTERY, ETC.



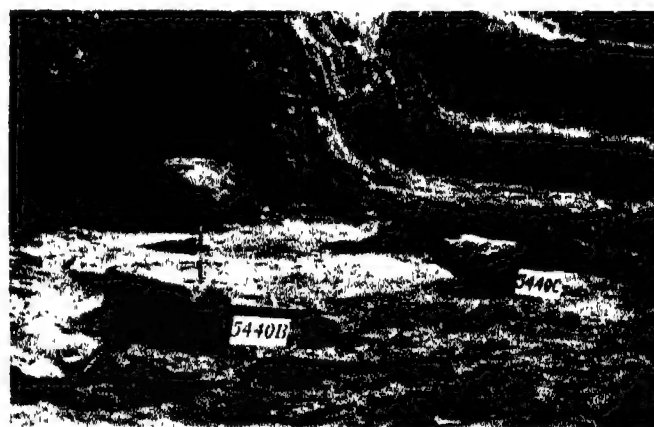
(c) DRAINAGE JARS ENCLOSED IN BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF THE GABLE-ROOFED DRAIN OF STRATUM IV



(d) PIT III. FRAGMENTARY REMAINS, FROM NORTH-WEST.



(e) EXTENSION OF PITS I AND II. A CURTAIN WALL OF STRATUM IV IN SQUARE Q 24/9 WITH ASHES AND CHARCOAL STICKING ON BOTH SIDES.



(f) EXTENSION OF PITS I AND II. PARTIAL VIEW OF FRACTIONAL BURIAL NO. 5440, FROM EAST.



(a) MOUND AS LEFT BY BRICK DIGGERS, FROM SOUTH-WEST-SOUTH.



(b) LONG VIEW OF CRUSHED POST-COMBUSTION URENS OF STRATUM V GOING ACROSS THE TRENCH, LOOKING WEST.



(c) GENERAL VIEW OF THE TRENCH SHOWING EXCAVATIONS IN THE BACKGROUND, AREA J, CEMETERY II AND MUSEUM, LOOKING SOUTH.



(d) LONG BRICK ON-EDGE PAVEMENT OF STRATUM IV WITH SEVERAL PARTITIONS, LOOKING SOUTH.



(e) GENERAL VIEW SHOWING MUD BRICK TERRACE IN THE FOREGROUND, FROM SOUTH.



(f) DOUBLE WELL OF STRATUM III SHOWING TWO RINGS WITH CLAY FILLING IN BETWEEN.



(b) TRENCH I HOUSE 4 SHOWING *Kachela* ROOMS, FROM SOUTH-WEST.



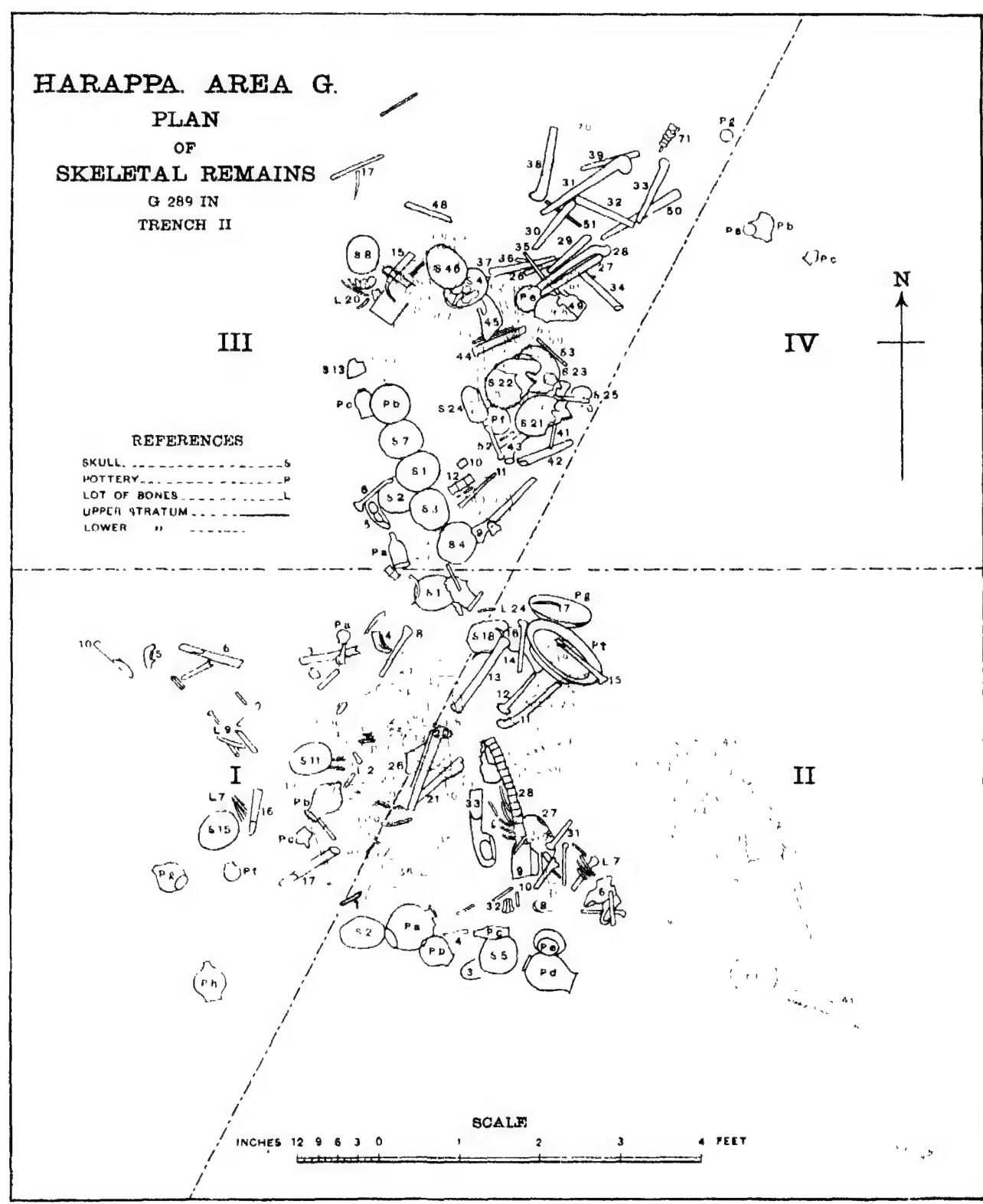
(d) TRENCH III, LOOKING EAST.



(a) TRENCH I, GENERAL VIEW FROM NORTH-WEST



(c) TRENCH II, GENERAL VIEW, LOOKING SOUTH.





(a) PARTIAL VIEW OF THE SKELETAL REMAINS NO. G 289, FROM SOUTH-EAST.



(b) POTTERY GROUP NO. G 130 *in situ*.



(b) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 SHOWING SKULLS S21, S22, S23 AND S43, ETC., PACKED TOGETHER IN DIVISION III, FROM EAST.



(d) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 WITH SOME ANIMAL AND HUMAN BONES IN DIVISION III, FROM SOUTH-EAST.



(a) POTTERY GROUP No. G 15 *in situ*



(c) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 SHOWING SKULLS S1 TO S4 WITH FOOD PLATES, ETC., IN DIVISION III, FROM WEST.



(a) POT-BURIALS OF STRATUM I, PANORAMIC VIEW, FROM EAST



(b) EARTH-BURIALS OF STRATUM II, PANORAMIC VIEW, FROM WEST.



(b) EASTERN EXTENSION SHOWING POT-BURIALS OF STRATUM I,
FROM NORTH-EAST.



(c) GROUP OF POT-BURIALS No. 7435 A TO G,
FROM SOUTH-EAST.



(a) WESTERN PART SHOWING POT-BURIALS OF STRATUM I, FROM NORTH.



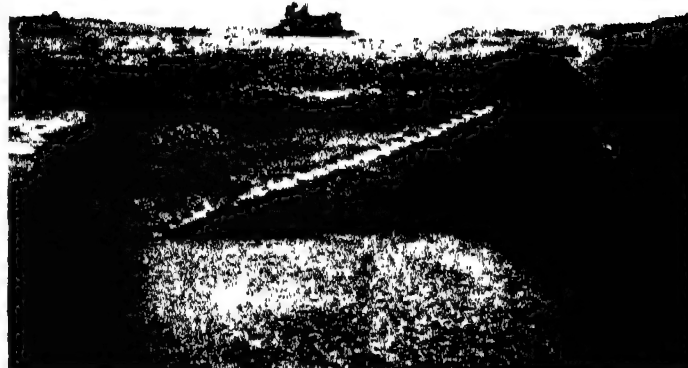
(c) GROUP OF POT-BURIALS No. H 206 A TO K, FROM EAST.



(d) GROUPS OF POT-BURIALS NOS. H 151 TO H 154,
FROM NORTH-WEST.



(a) CENTRAL PORTION SHOWING BURIAL POTTERY OF STRATA I AND II, FROM SOUTH-EAST.



(b) DEEP DIGGING AT THE NORTH-EAST CORNER SHOWING RIVER SILT AND POCKETS OF RUBBISH, LOOKING NORTH.



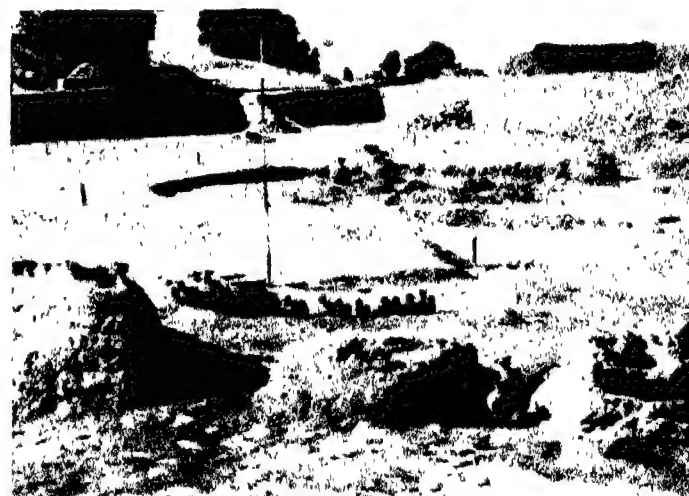
(c) BURIAL POTTERY OF STRATUM II, FROM SOUTH.



(d) GROUP OF POT BURIALS NO. II 231, FROM WEST.



(e) BURIAL POTTERY OF STRATA I AND II IN SQUARES R 33/25 AND R 34/21, FROM NORTH-EAST.



(f) EARTH-BURIAL NO. H 184, ETC., FROM NORTH.



(b) EXTENSION OF WESTERN SECTION. FRACTIONAL BURIALS OF STRATUM II,
GENERAL VIEW, FROM EAST.



(d) WESTERN SECTION. POT-BURIALS NOS. H. 243 TO H. 248
CRUSHED BY THE IMPACT OF CART TRAFFIC, FROM SOUTH-WEST.



(a) EXTENSION OF WESTERN SECTION. POT-BURIALS OF STRATUM I,
GENERAL VIEW, FROM EAST.



(c) EXTENSION OF WESTERN SECTION. DETAIL VIEW OF SOME FRACTIONAL
BURIALS OF STRATUM II, FROM SOUTH.



(a) BURIAL NO. H 696.



(b) BURIAL NO. H 710.



(c) BURIAL NO. H 695.



(d) BURIAL NO. H 699.



(e) BURIAL NO. H 485.



(f) BURIAL NO. H 488.



(b) BURIAL NO. H 306.



(d) BURIAL NO. H 307.



(a) BURIAL NO. H 698
WITH A SACRIFICED GOAT
TO RIGHT.



(c) BURIAL NO. H 184.



(a) BURIAL NO. H 184.



(b) BURIAL NO. H 501.



(c) BURIAL NO. H 502.



(d) BURIAL NO. H 697.



(a) CONTENTS OF THE BURIAL-POT No. H 245a



(b) CONTENTS OF THE BURIAL-POT No. H 249.



(c) CONTENTS OF THE BURIAL-POT No. H 61.



(d) CONTENTS OF THE BURIAL-POT No. H 206a.



(e) CONTENTS OF THE BURIAL-POT No. H 231.



(a) BURIAL-POT No. H 231 CONTAINING ONLY A CHILD'S SKULL



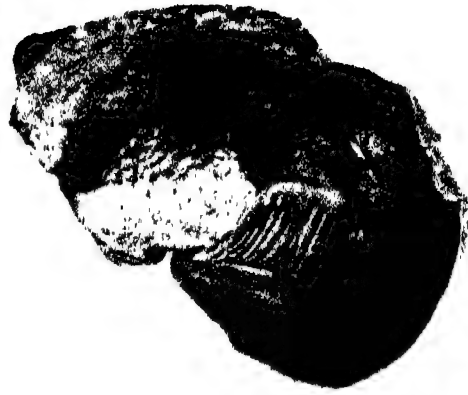
(b) CONTENTS OF THE BURIAL-POT No. H 154a ALSO SHOWING A NARROW-NECKED VASE



(c) BURIAL-POT No. H 245 CONTAINING ONLY A PART OF A LOWER LEG.



(d) BURIAL-POT No. H 133 CONTAINING ONLY A CHILD'S SKULL



(e) POT-BURIAL No. H 83 SHOWING A BABY IN EMBRYONIC POSITION.



(a) POT-BURIAL NO. H165A CONTAINING A BABY IN EMBRYONIC POSITION.



(b) POT-BURIAL NO. H622 CONTAINING A BABY IN EMBRYONIC POSITION.



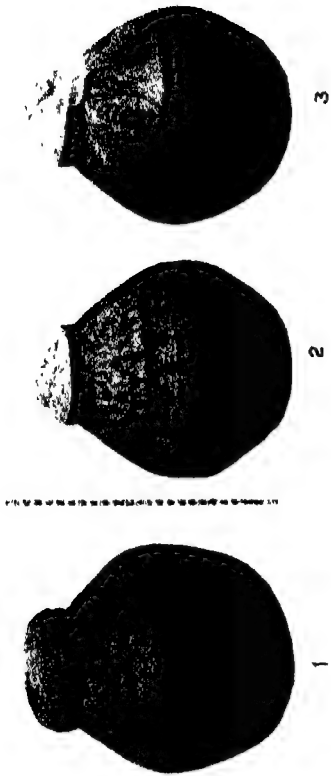
(c) POT-BURIAL NO. H679 CONTAINING A BABY IN EMBRYONIC POSITION.



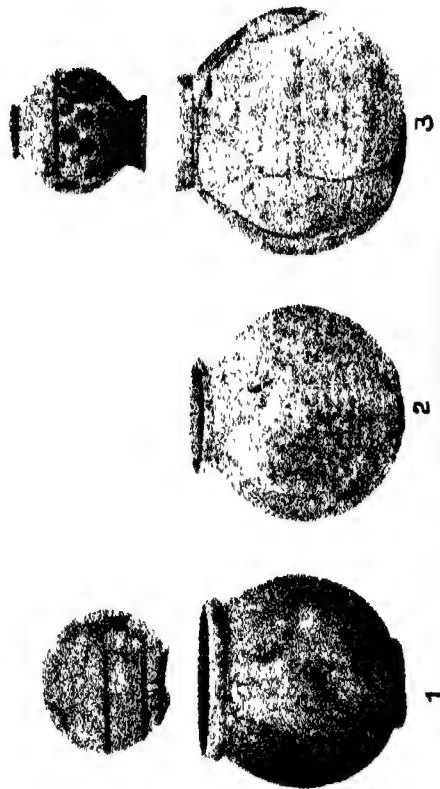
(d) POT-BURIAL NO. H148A CONTAINING A BABY IN EMBRYONIC POSITION.



(a) THE FIRST POT-BURIALS NO 3034 A TO C.



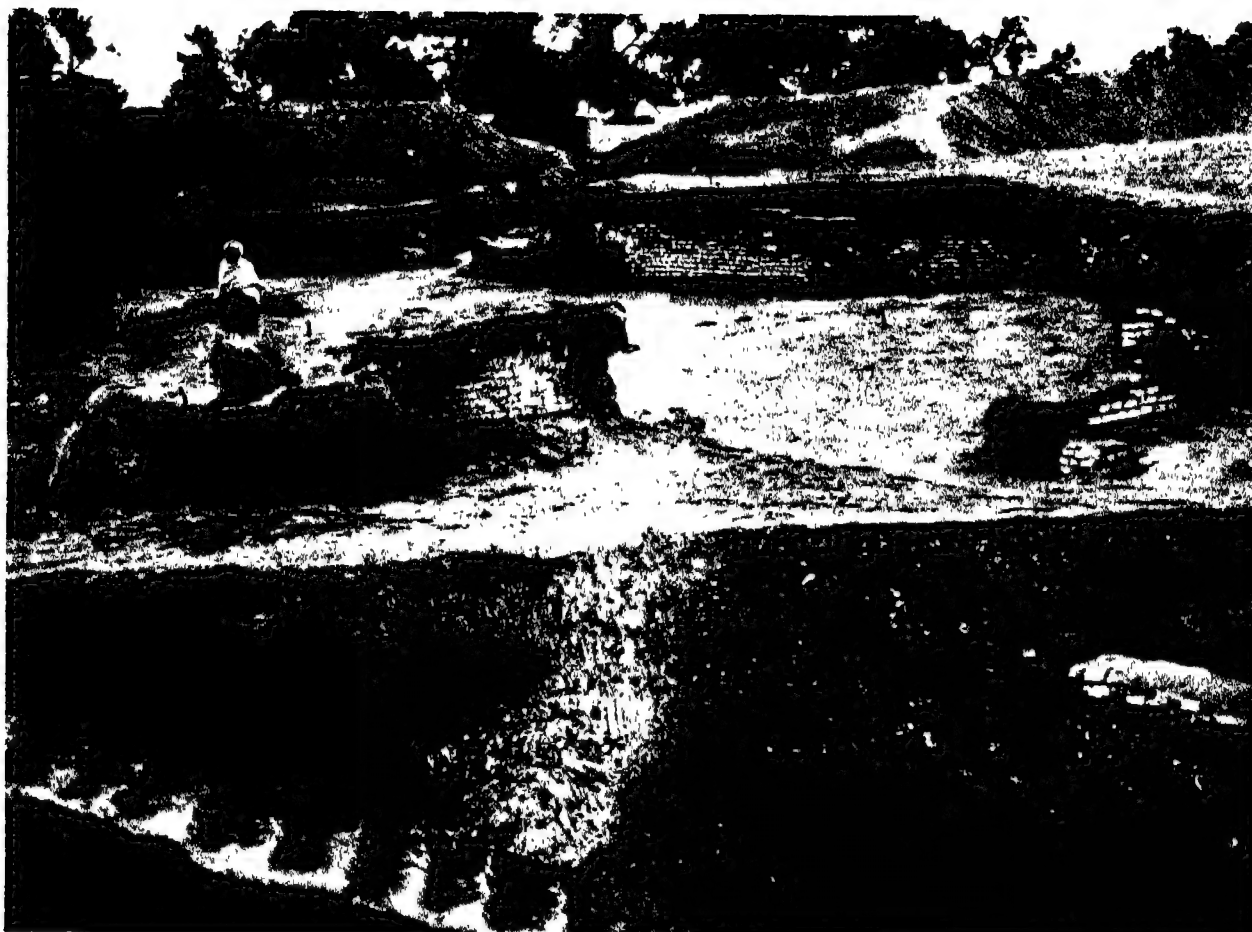
(b) POT-BURIALS NOS H 206 a AND b AND H 245 b PAINTED WITH MYTHOLOGICAL SCENES



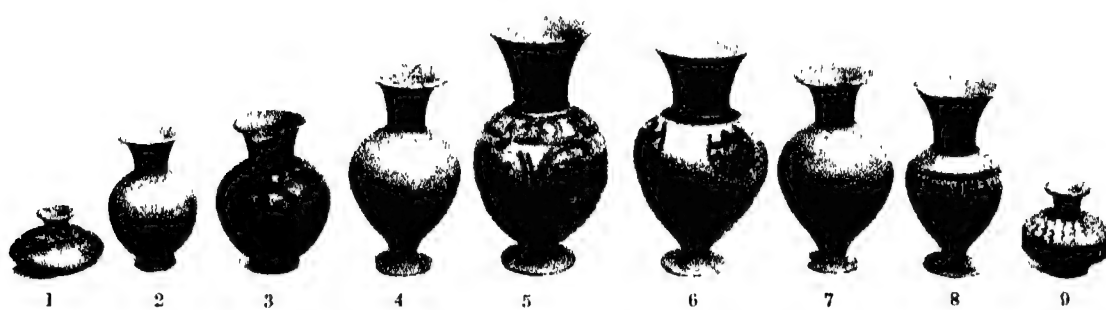
(c) TYPES OF BURIAL JARS WHICH CONTAINED BABIES IN EMBRYONIC POSITION.



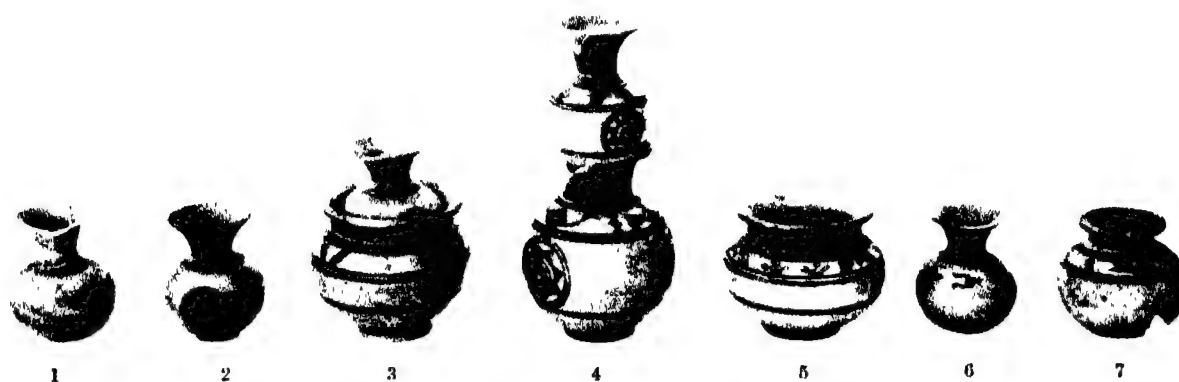
(d) TYPES OF BURIAL FOOD-PLATES FROM STRATUM II.



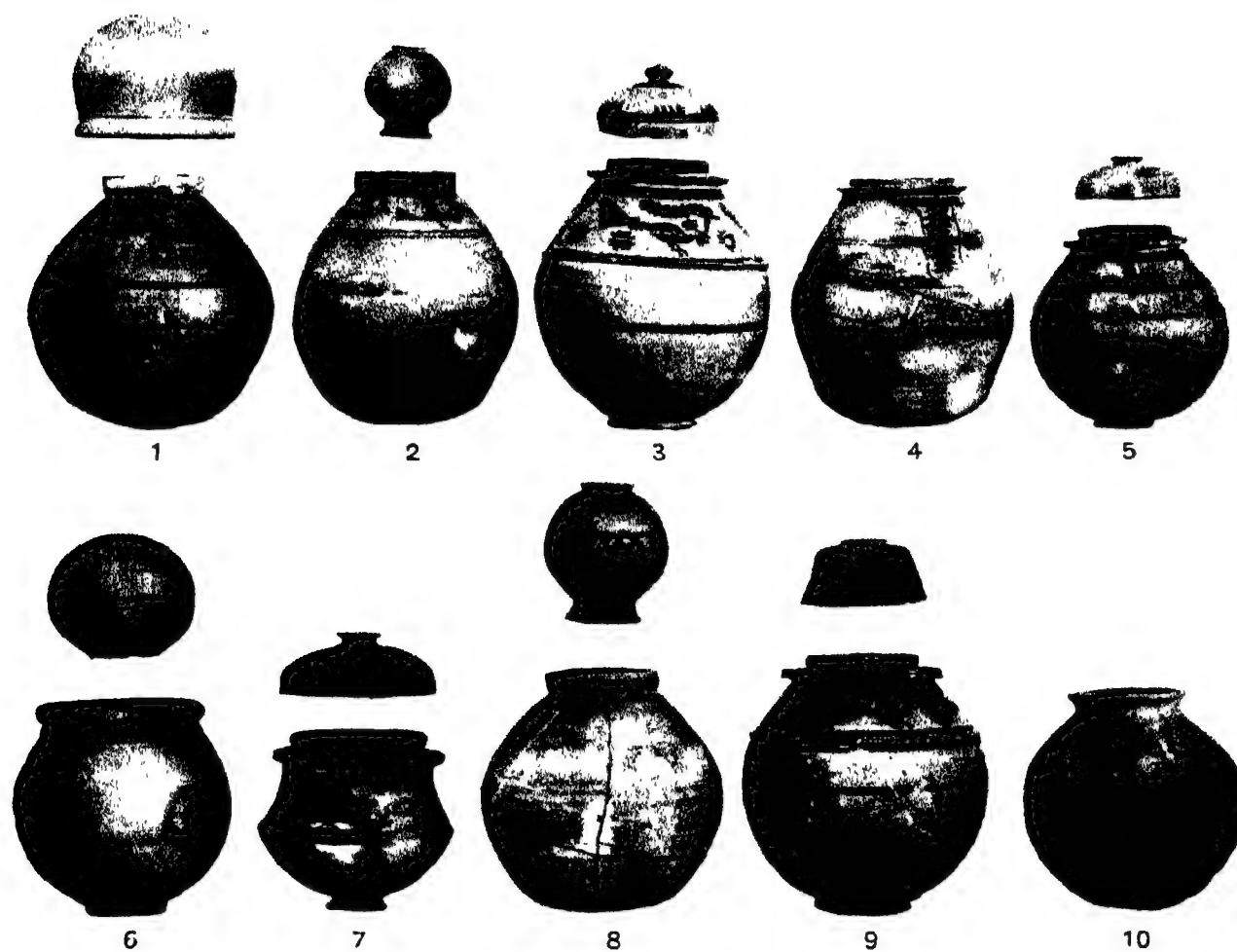
(a) AREA G, TRENCH III. GENERAL VIEW FROM SOUTH.



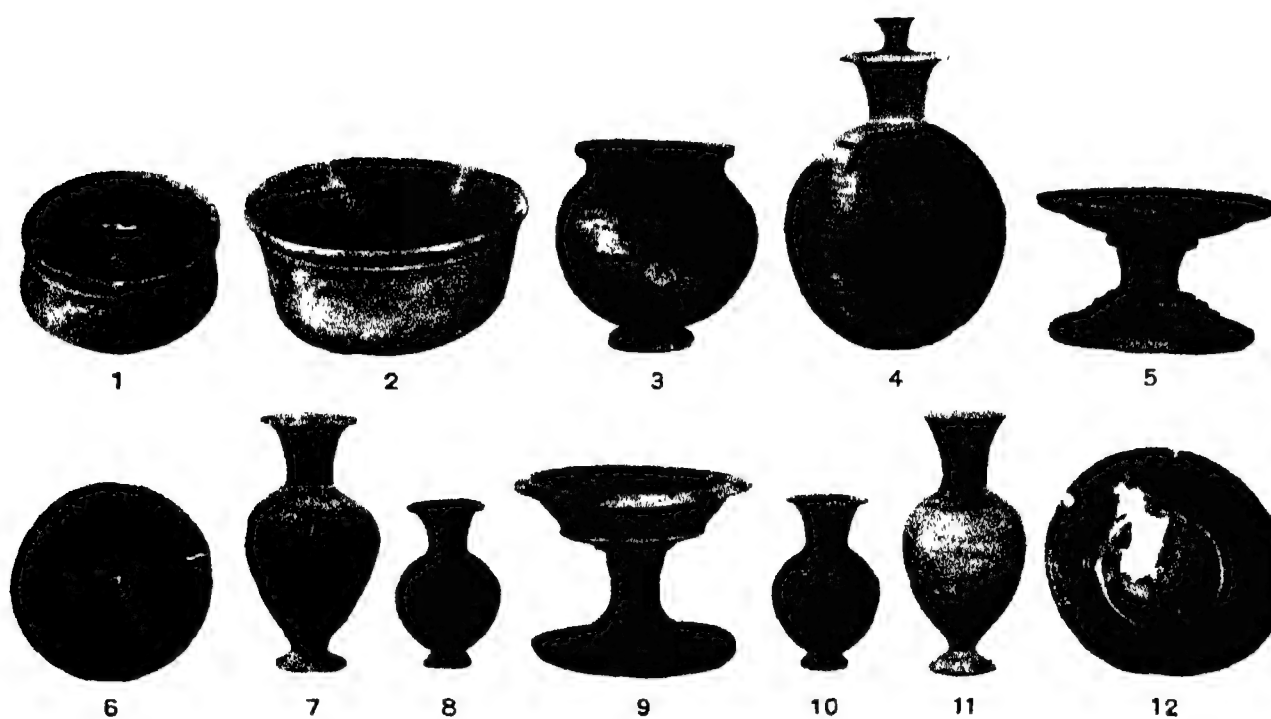
(b) CEMETERY H. FLASKS, ETC., MOSTLY OF STRATUM II.



(c) CEMETERY H. POTTERY OF STRATUM II.



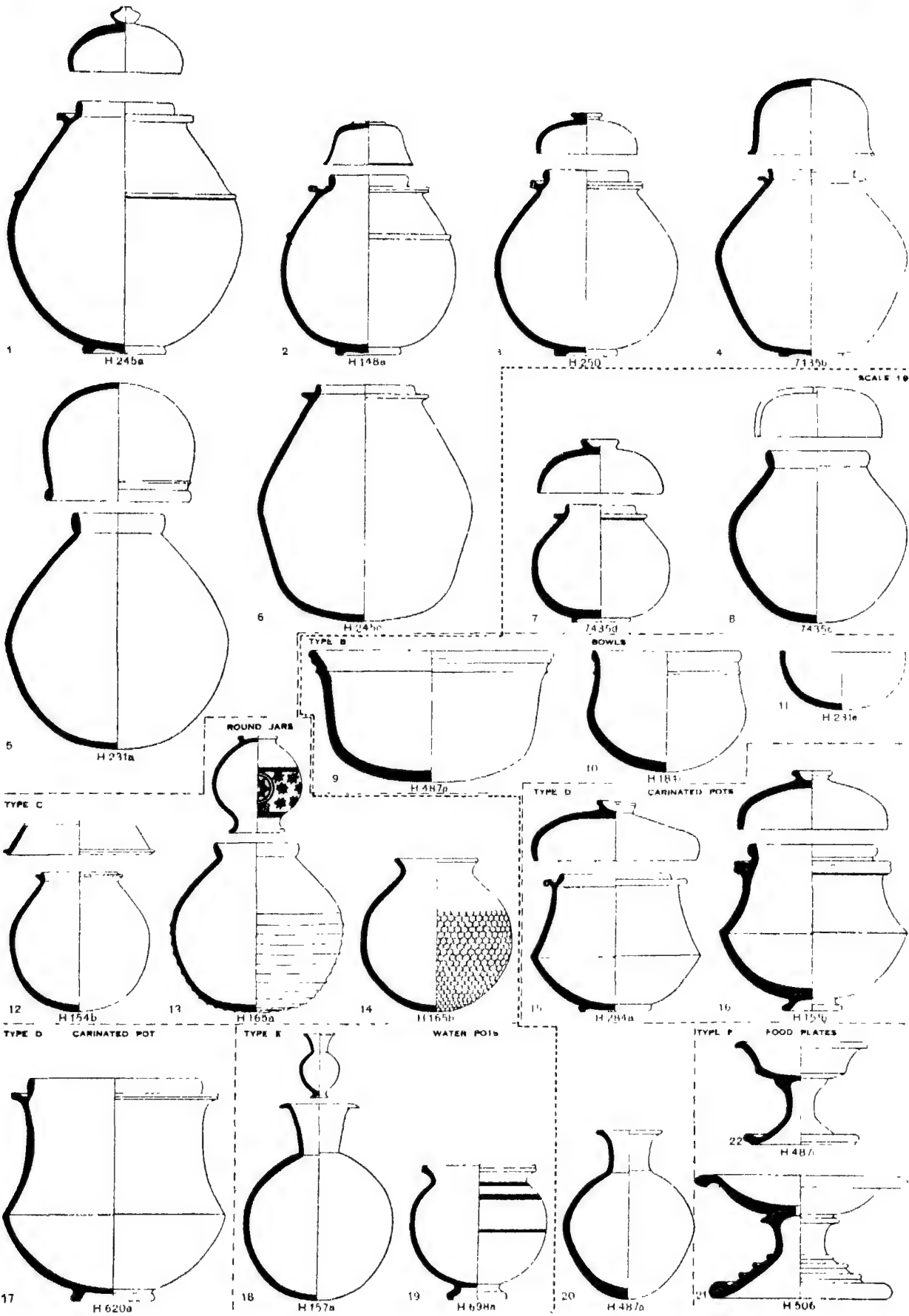
(a) TYPES OF BURIAL-POTS OF STRATUM I WITH THEIR COVERS.



(b) TYPES OF POTTERY FOUND WITH EARTH-BURIALS OF STRATUM II.

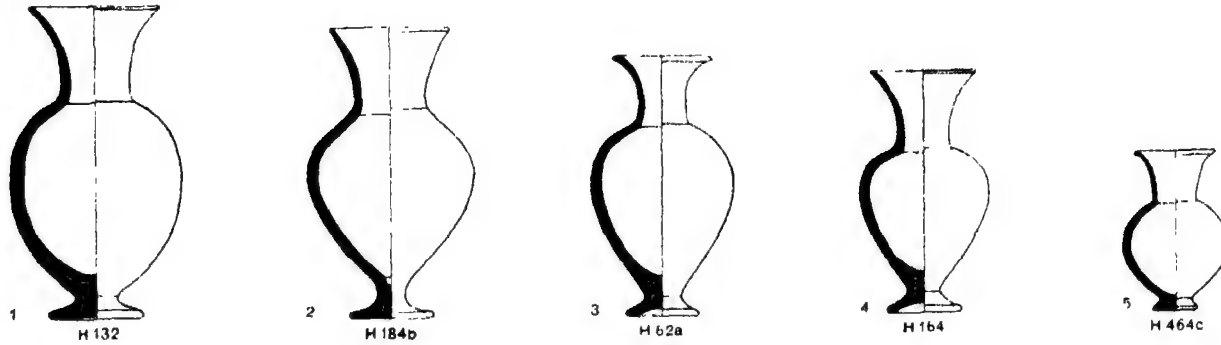
TYPE A

SCALE 1:12

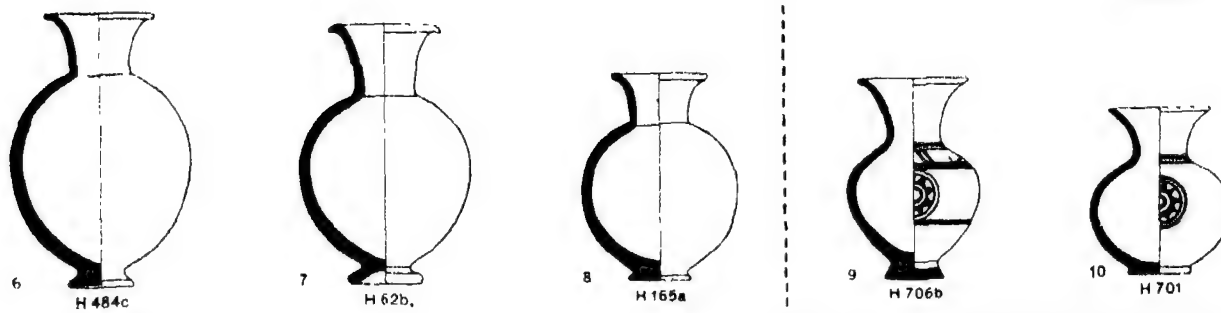


SCALE 1/6

TYPE G

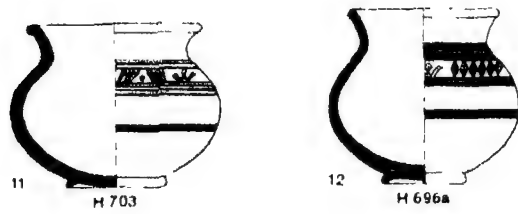


SCALE 1/4



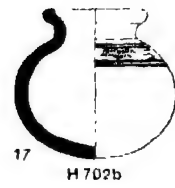
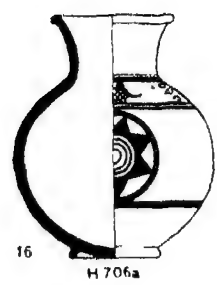
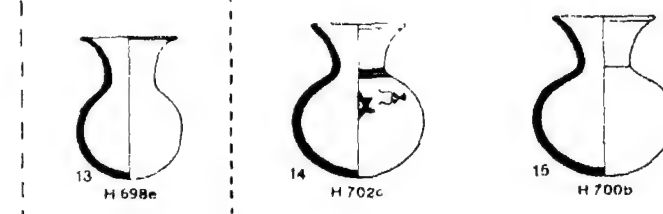
TYPE H

WATER POTS



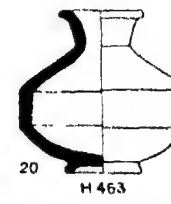
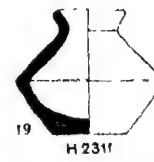
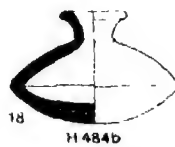
TYPE I

ROUND VASES



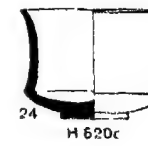
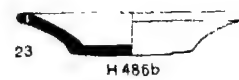
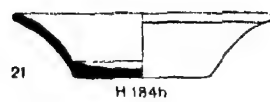
TYPE J

MISCELLANEOUS VASES



TYPE K

SAUCERS



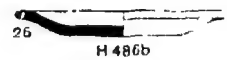
TYPE L

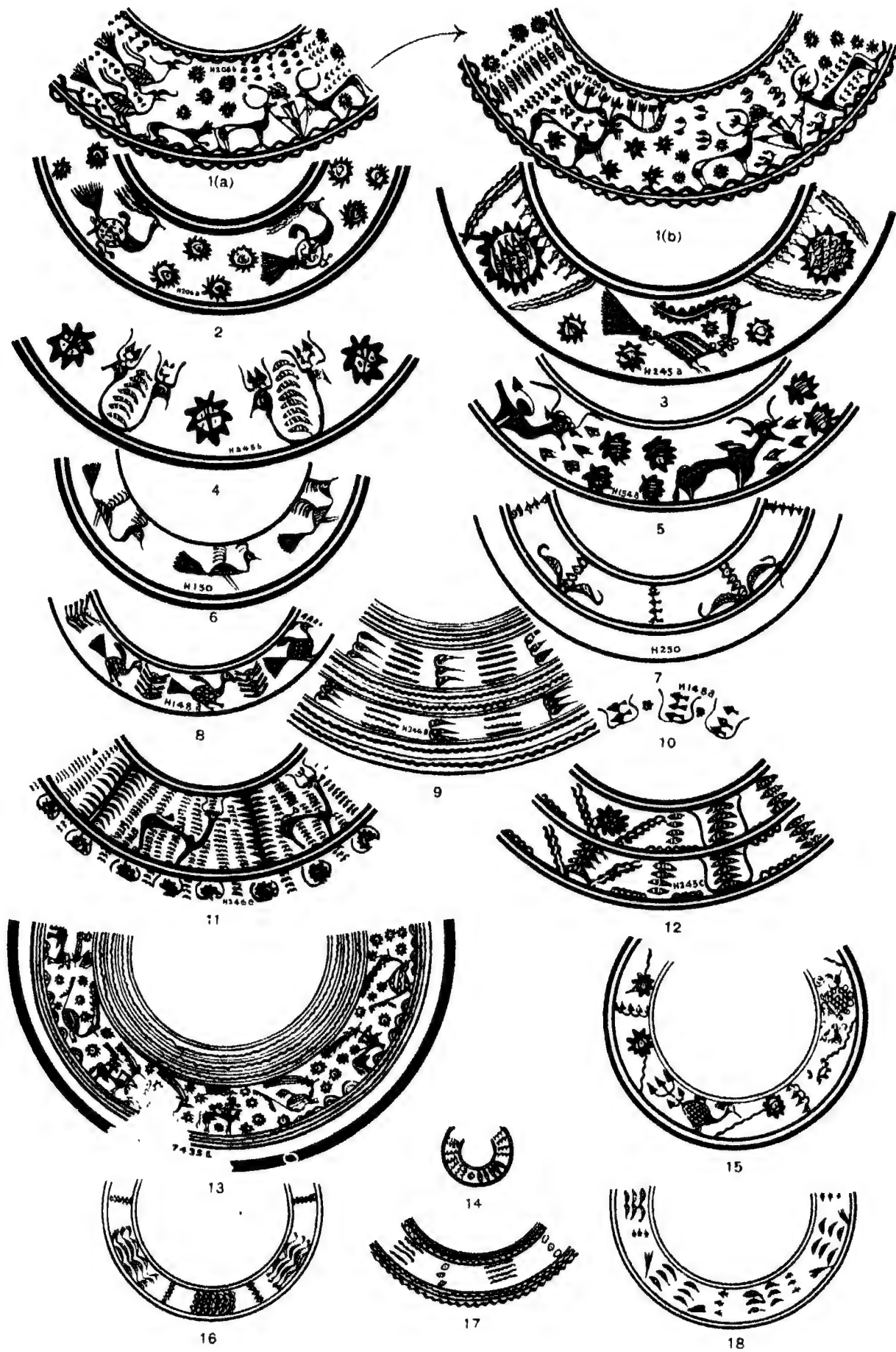
PLAIN DISH



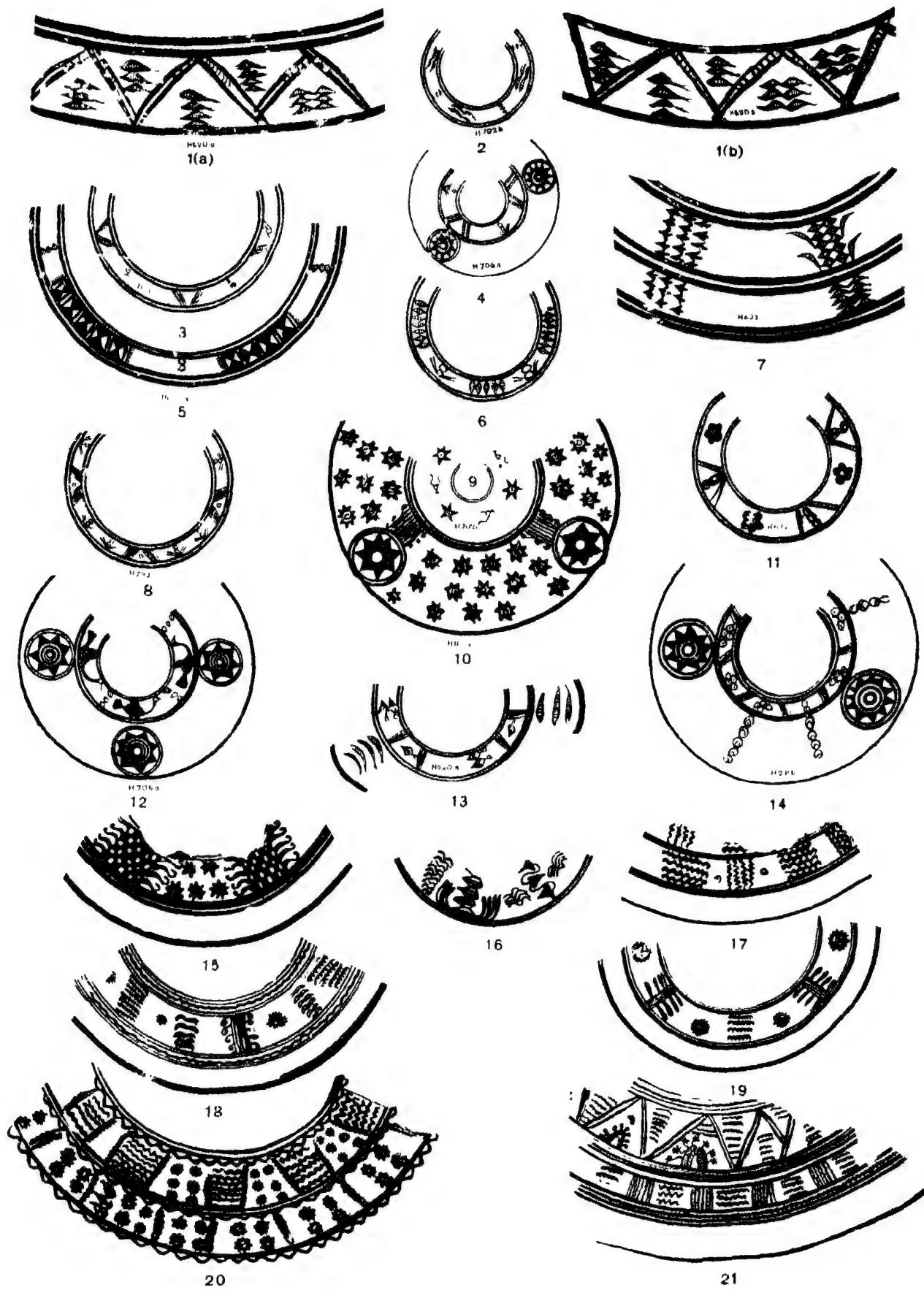
TYPE M

FLAT COVERS

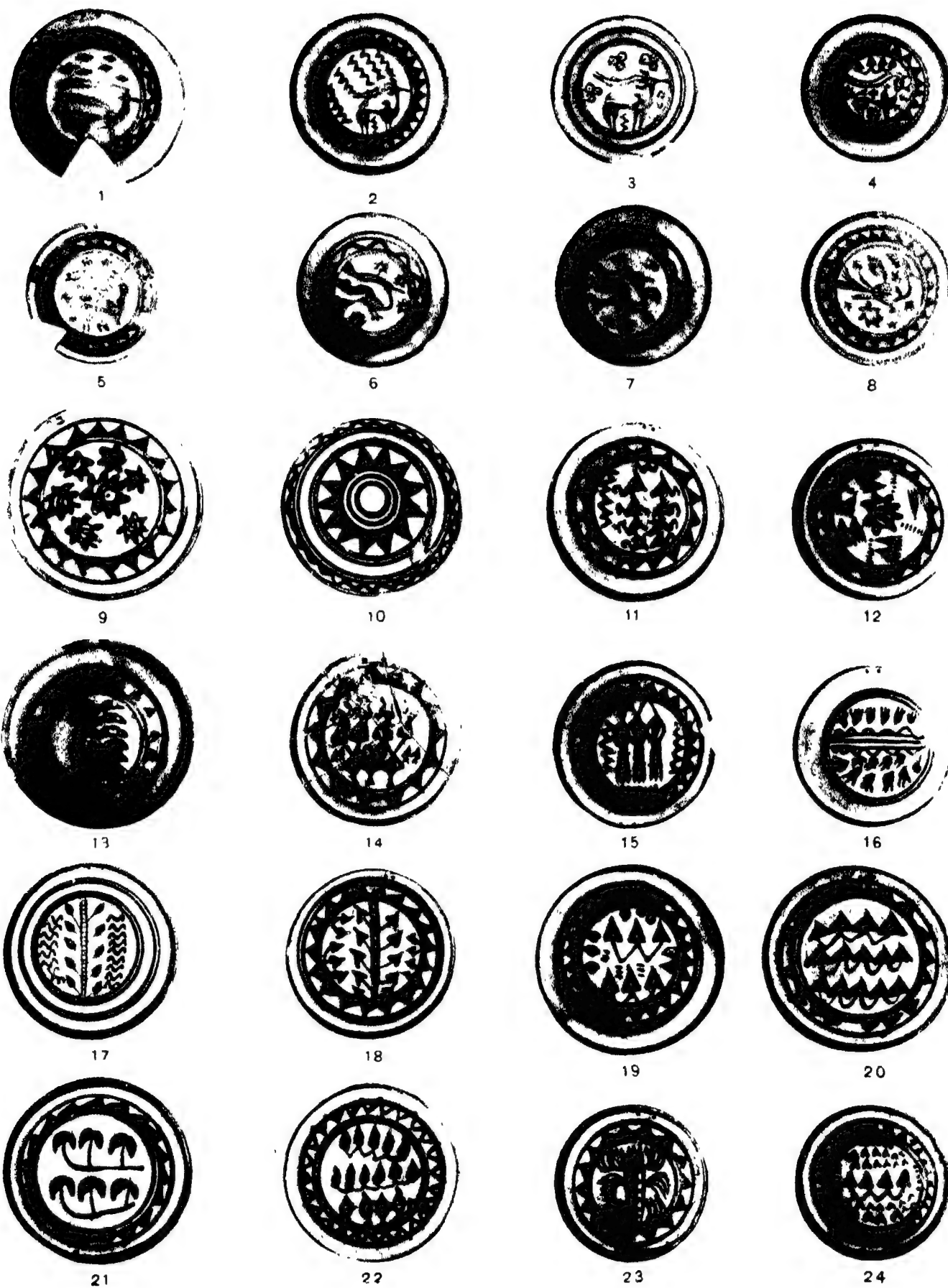




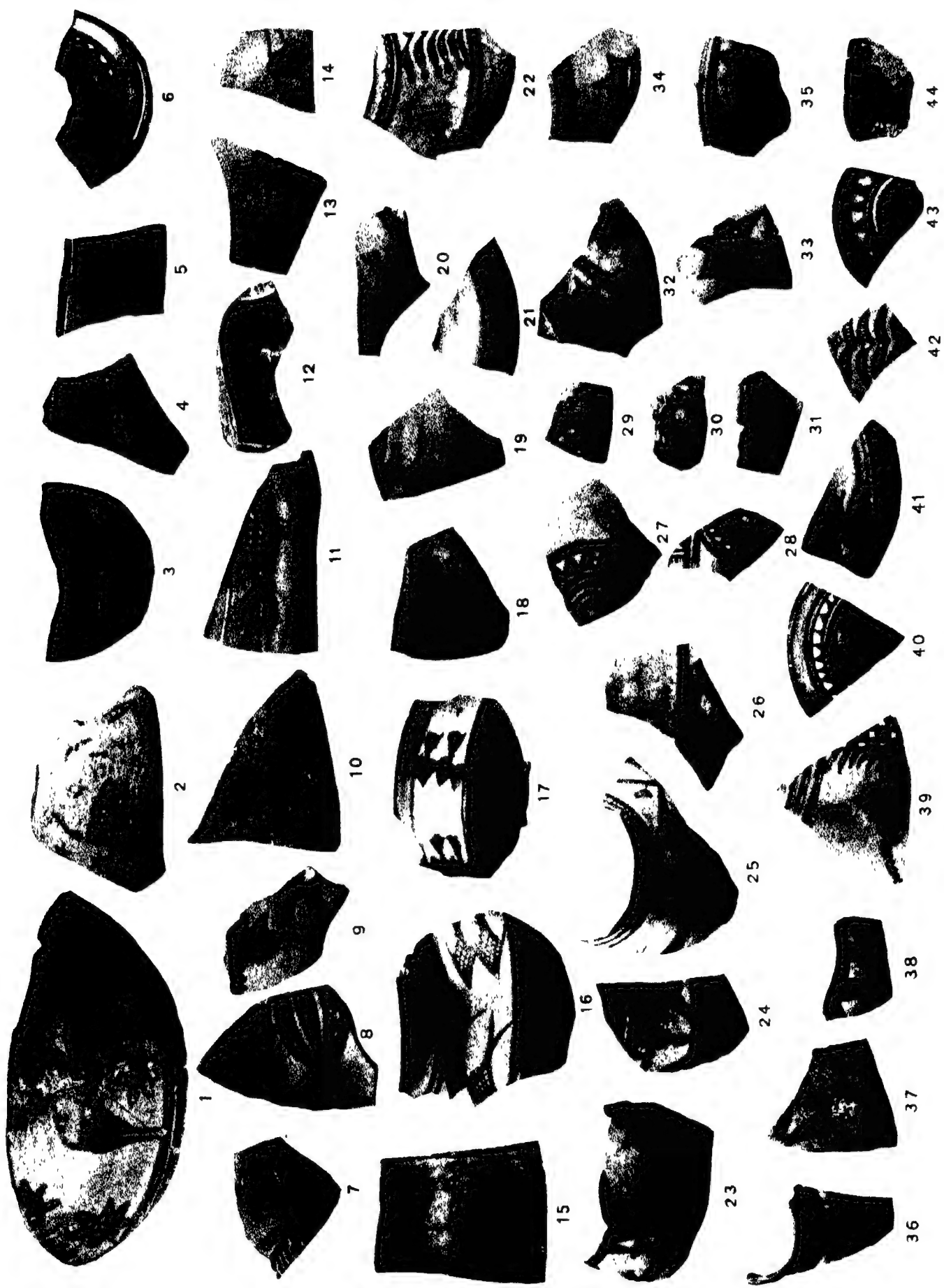
CEMETERA H. PAINTINGS ON BURIAL JARS.



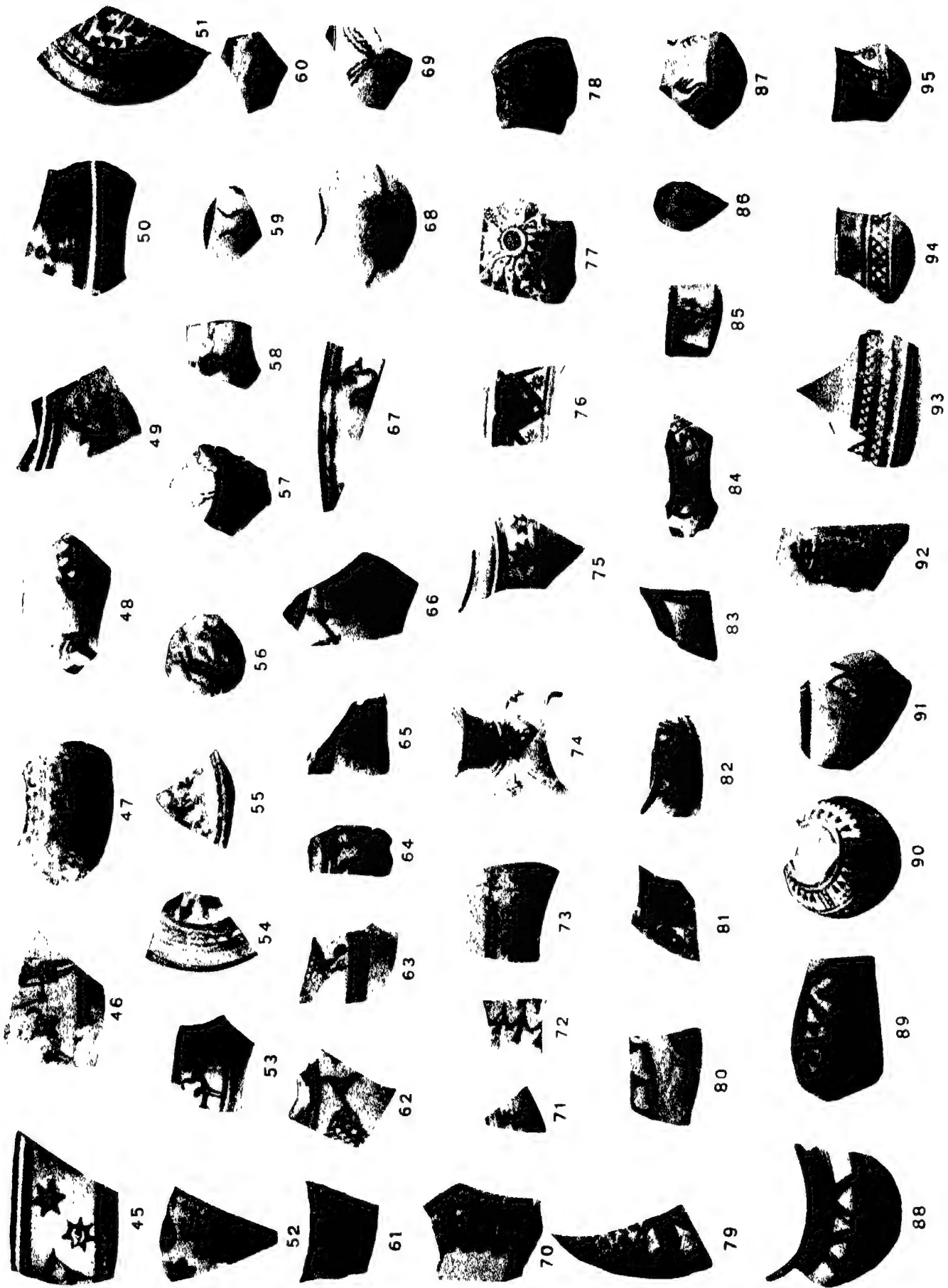
CEMETERY II. PAINTINGS ON BURIAL JARS.



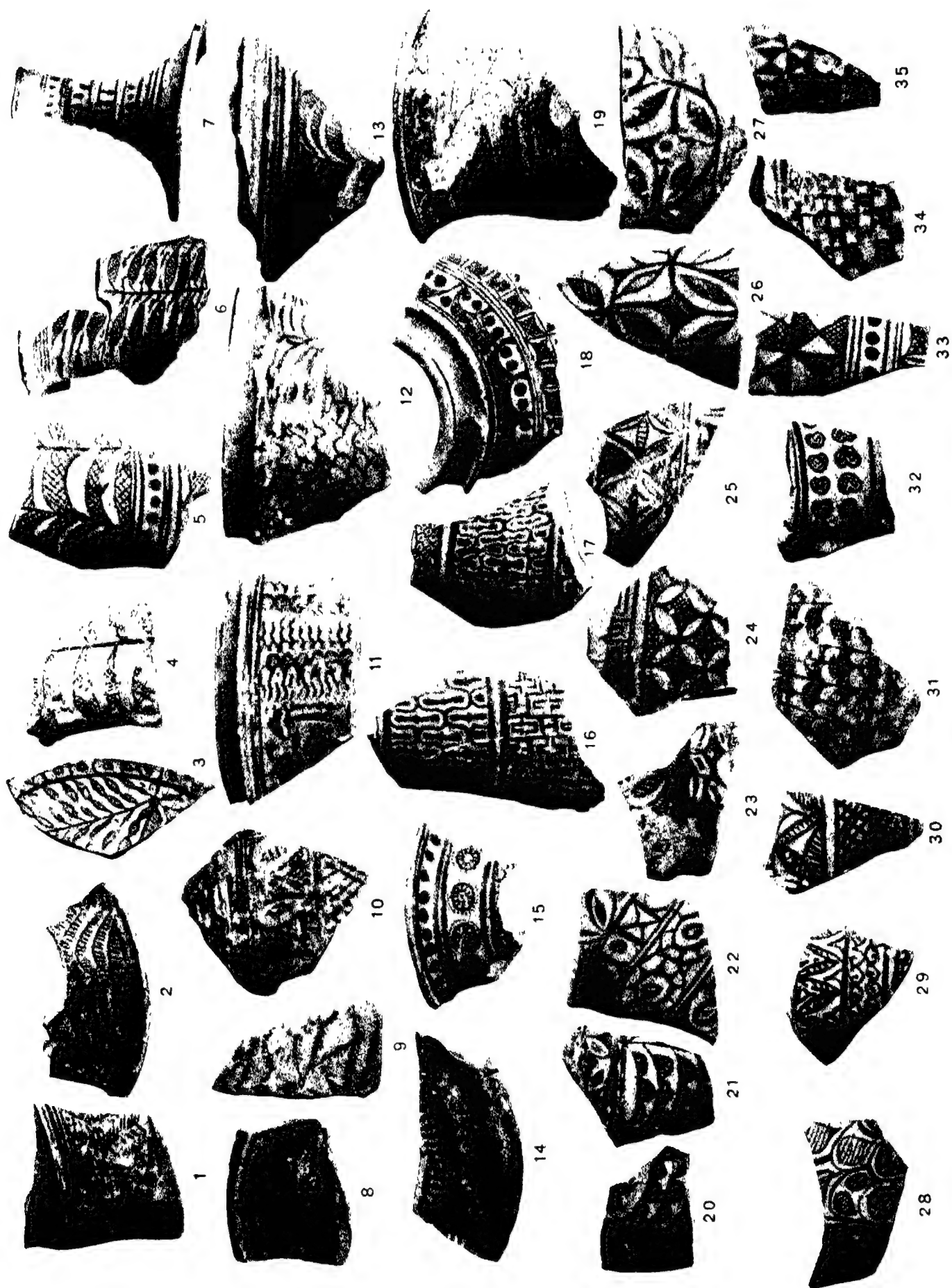
CEMETERY II. PAINTINGS ON THE UNDERSIDE OF FLAT COVERS FROM STRATUM II.



PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.



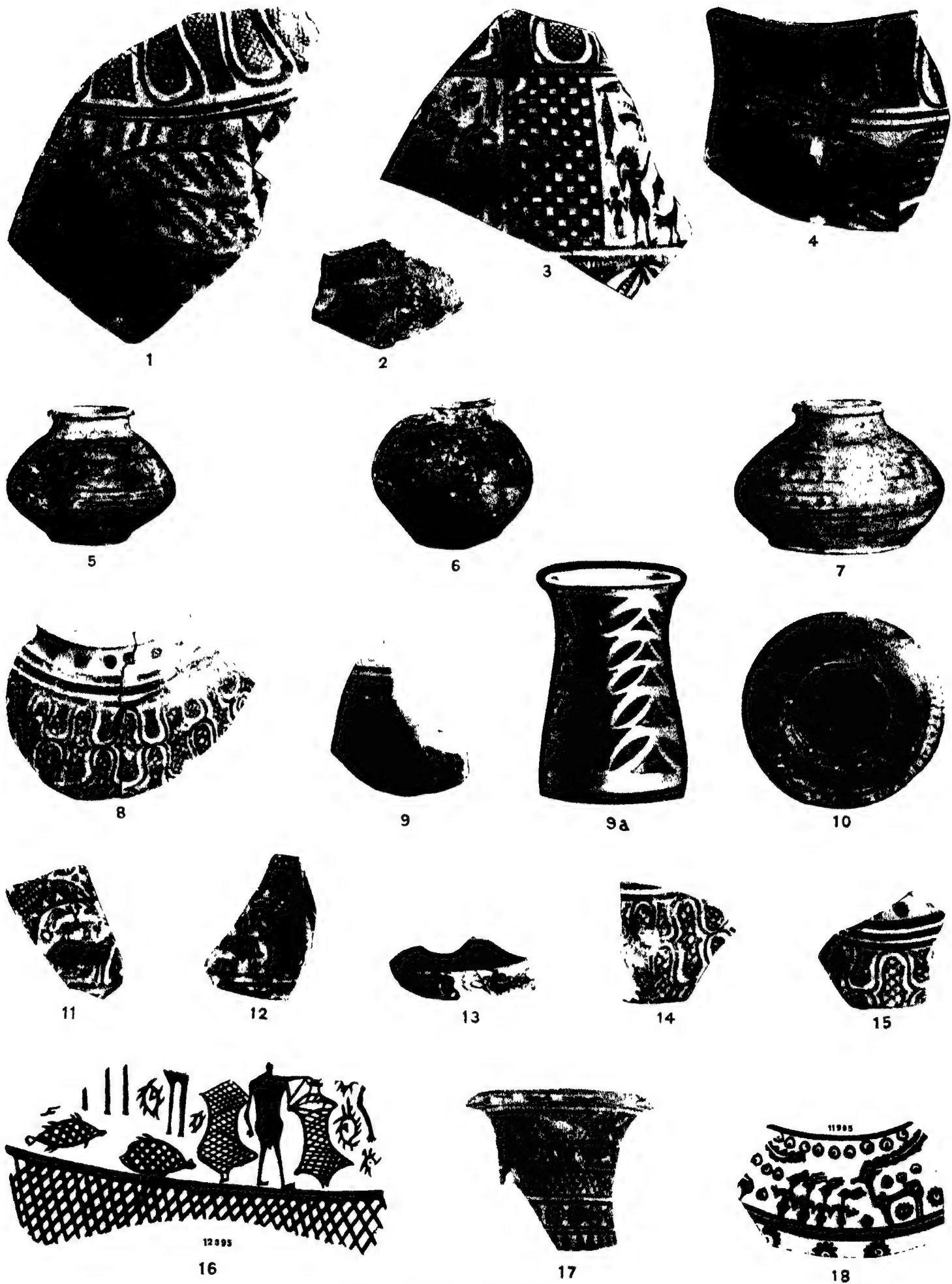
PAINTED SHARDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.



PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.



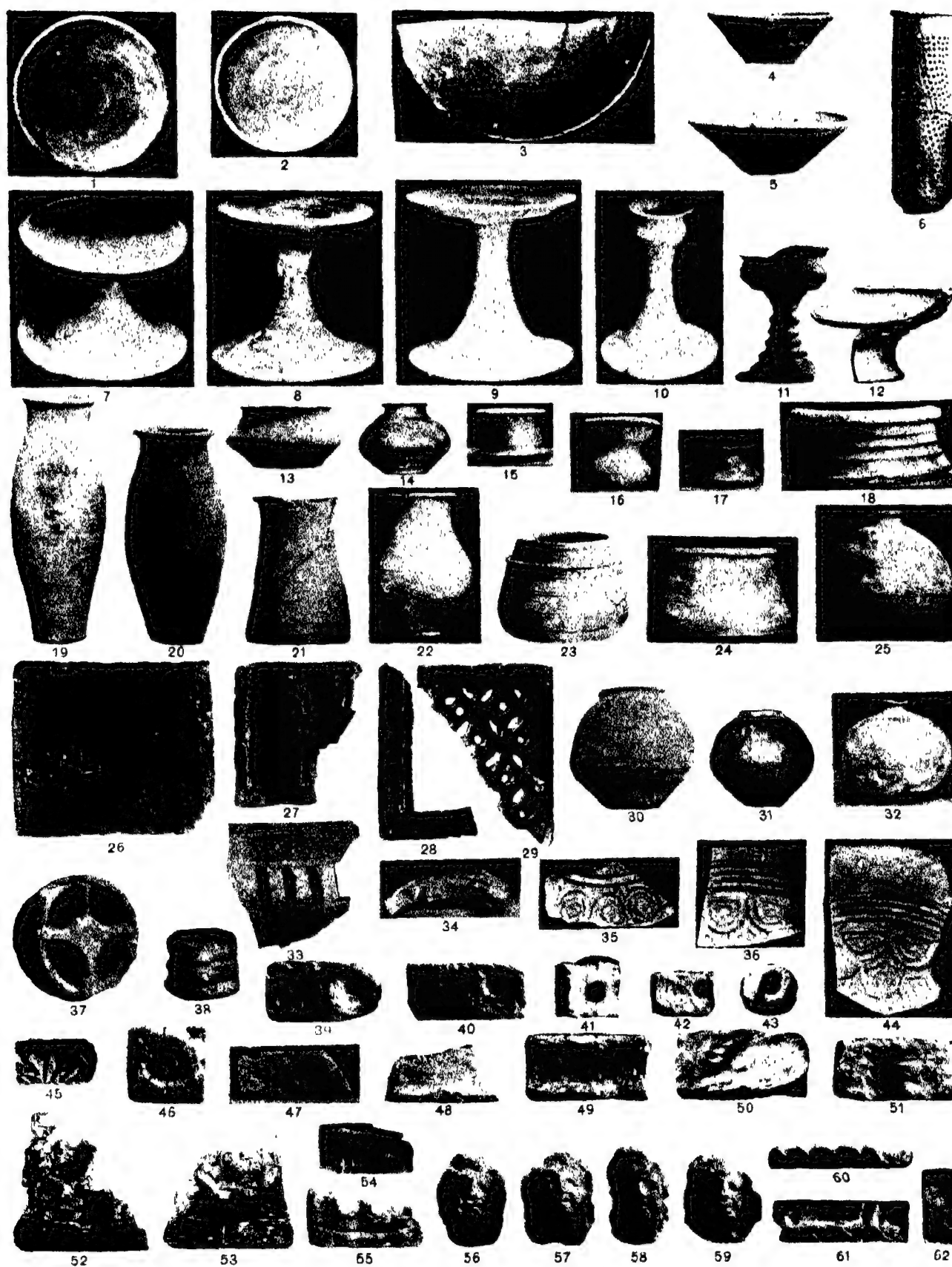
PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.



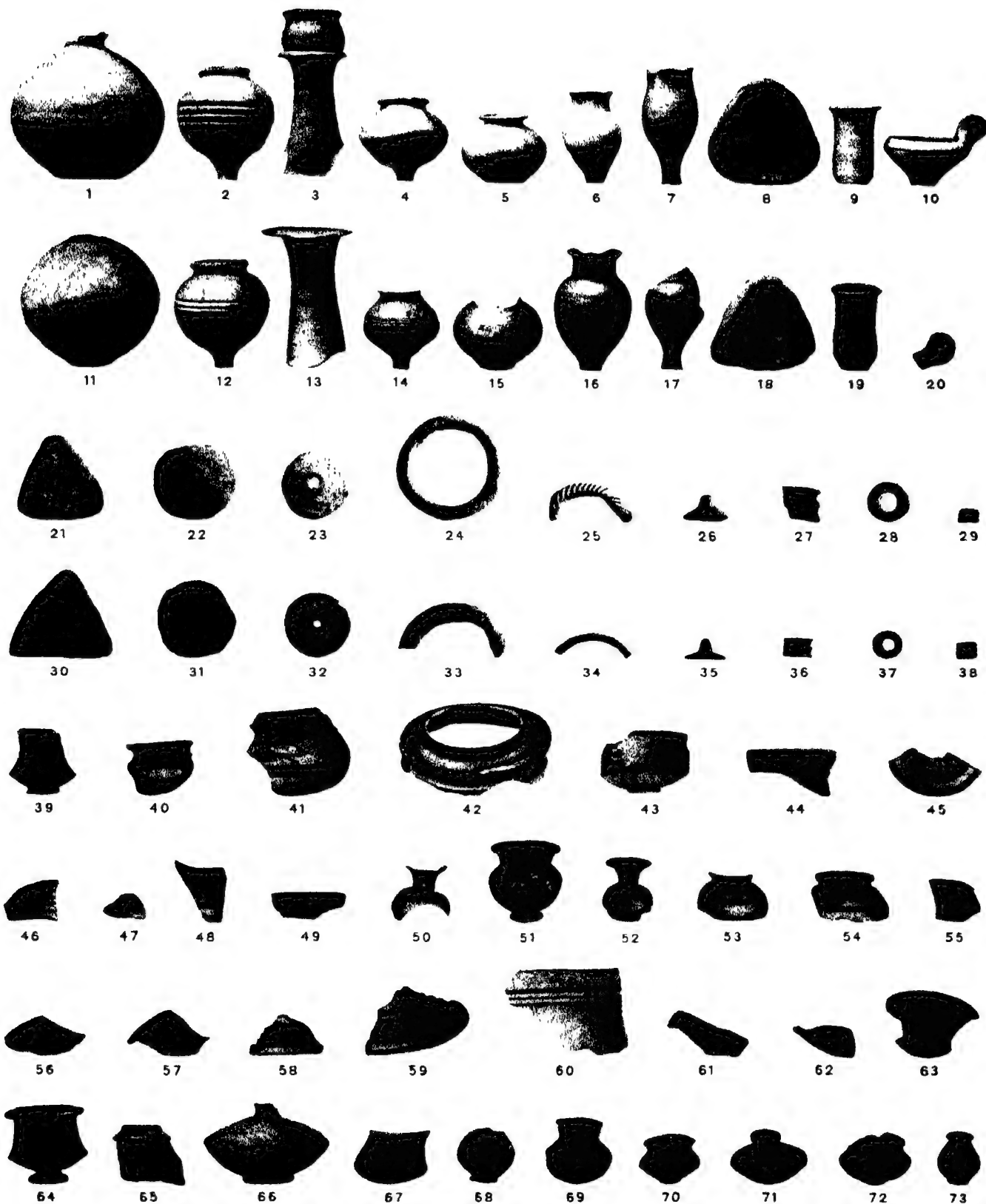
PAINTED POTTERY FROM THE MOUNDS.



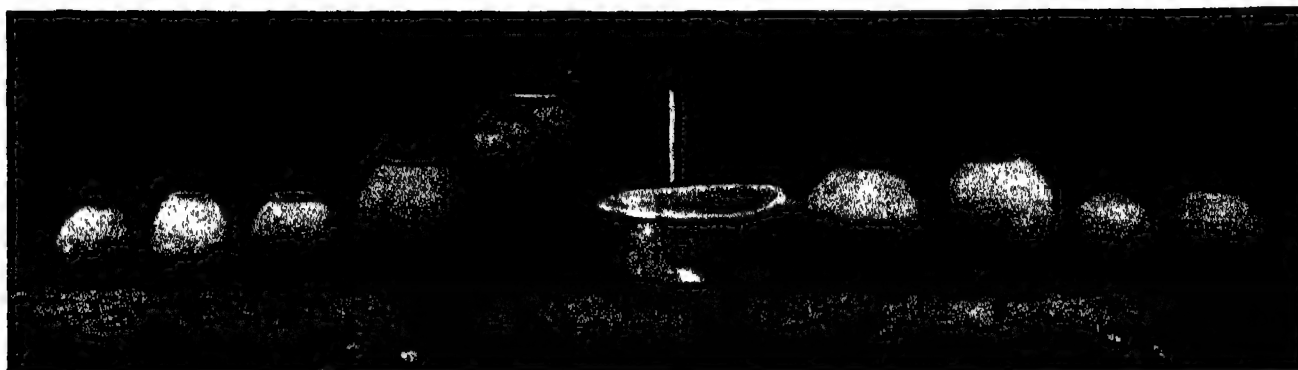
MISCELLANEOUS POTTERY.



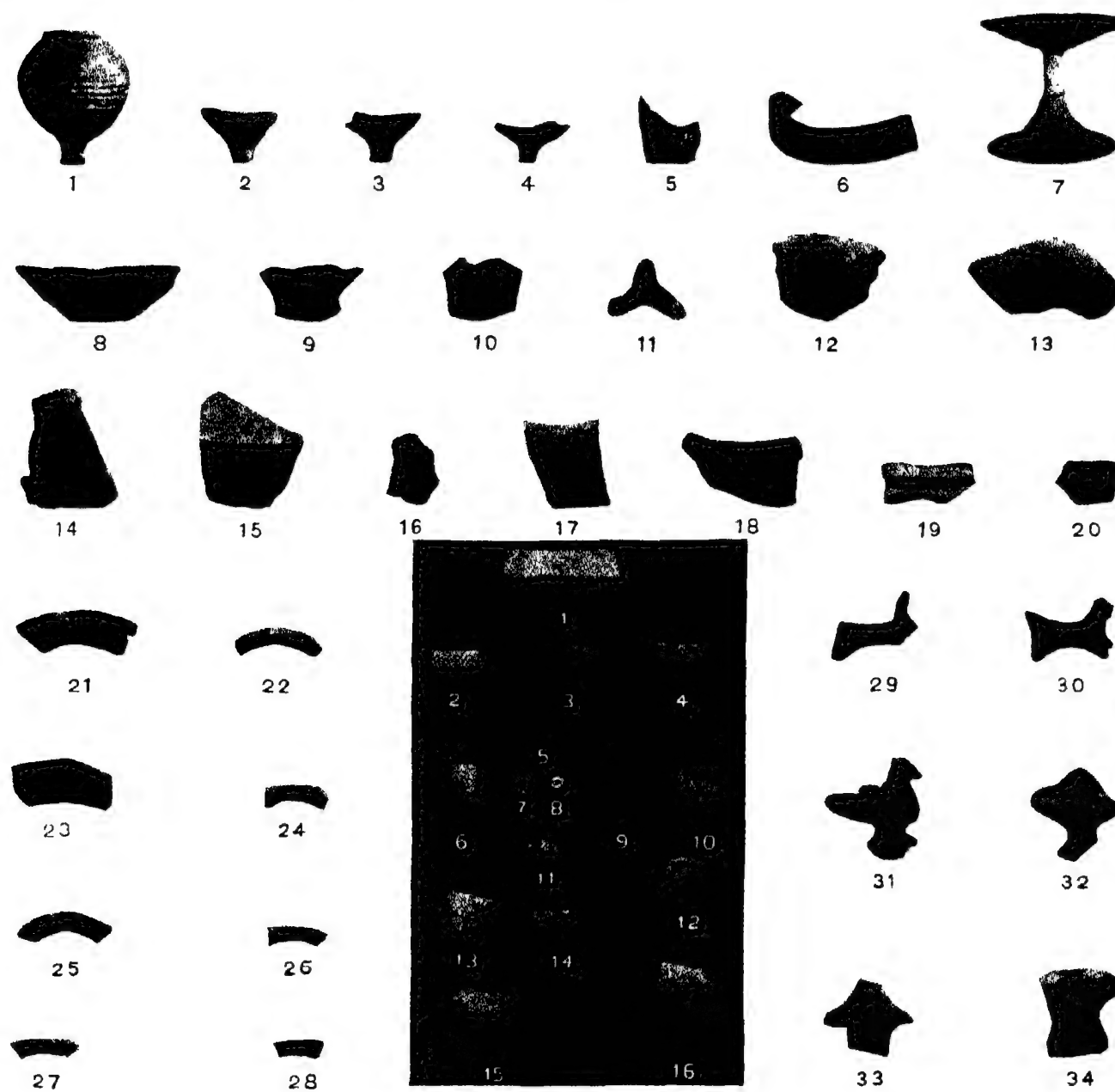
VESSELS AND MISCELLANEOUS OBJECTS OF TERRACOTTA.



MISCELLANEOUS OBJECTS FROM HARAPPA AND KOTIA NIANG, AND POTTERY TYPICAL OF CEMETERY H FROM HARAPPA.



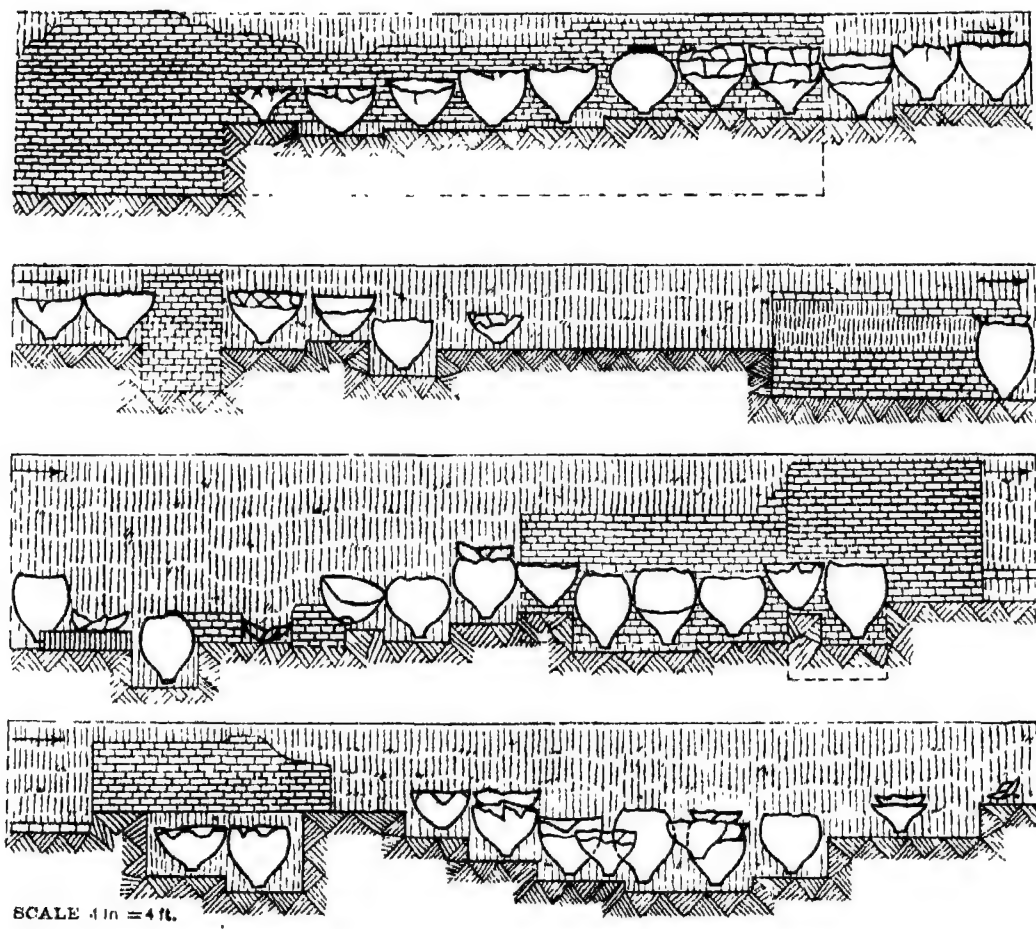
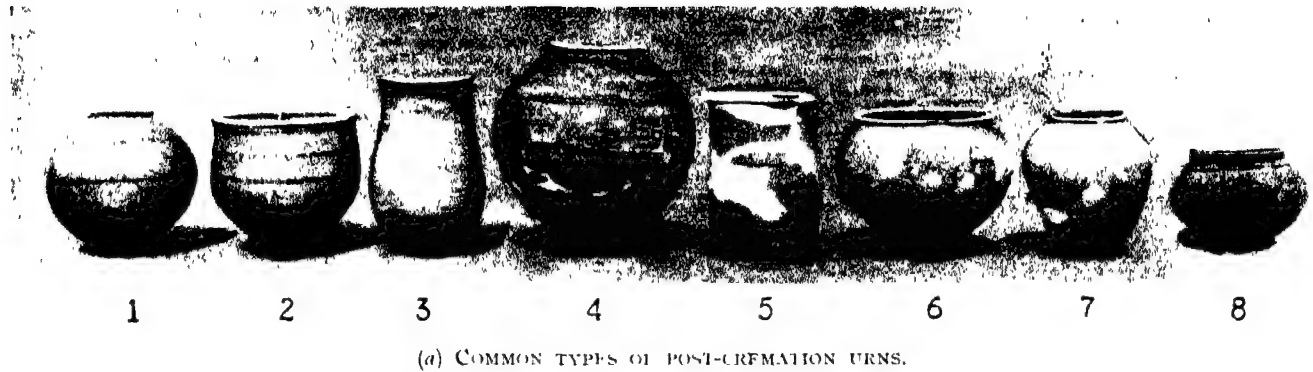
(a) COMMON TYPES OF HOUSEHOLD JARS FROM HARAPPA.



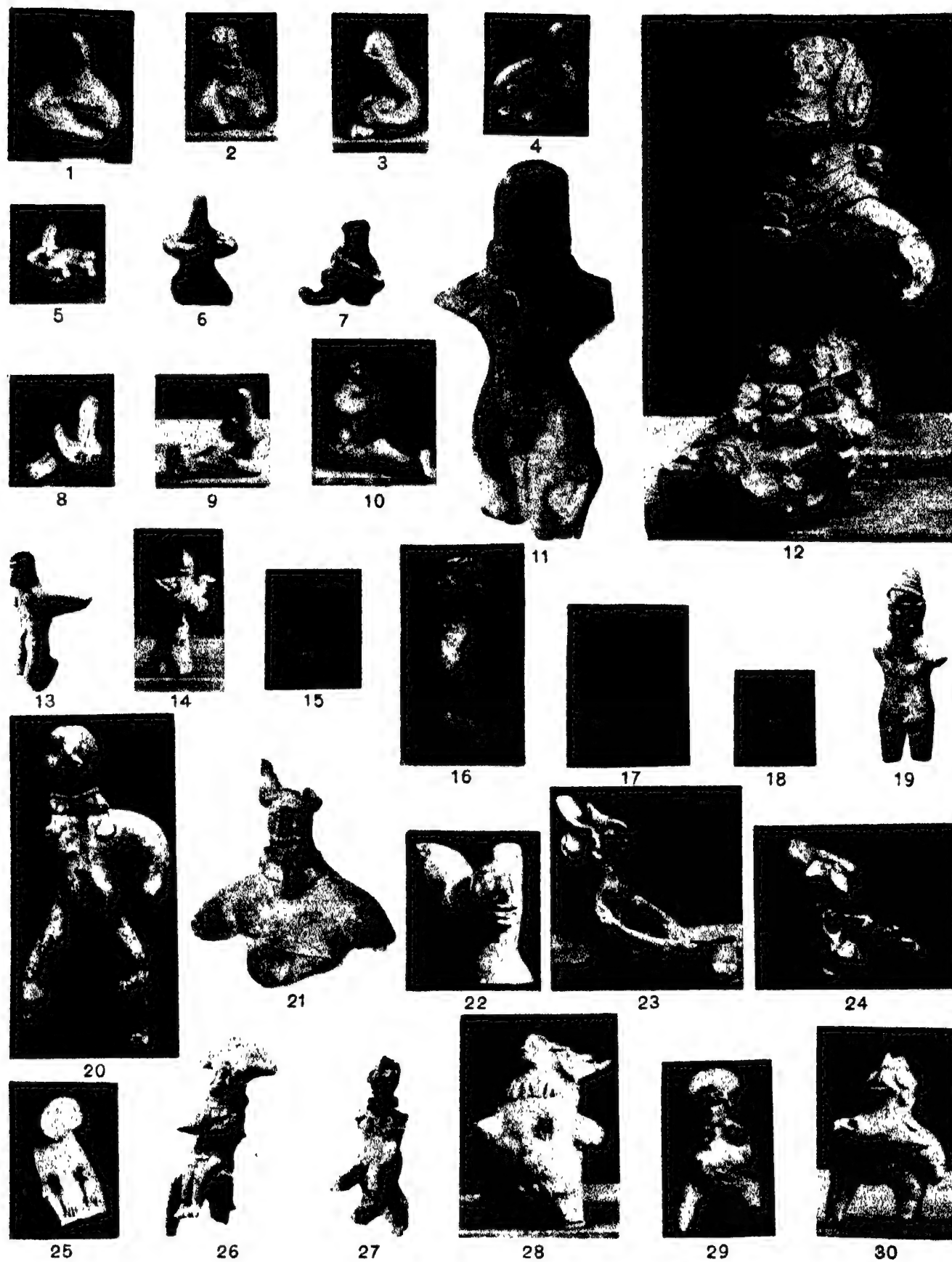
(c) POTTERY OBJECTS.

(b) MISCELLANEOUS OBJECTS FROM CHAK PURBANE SIVAL.

(c) POTTERY OBJECTS.



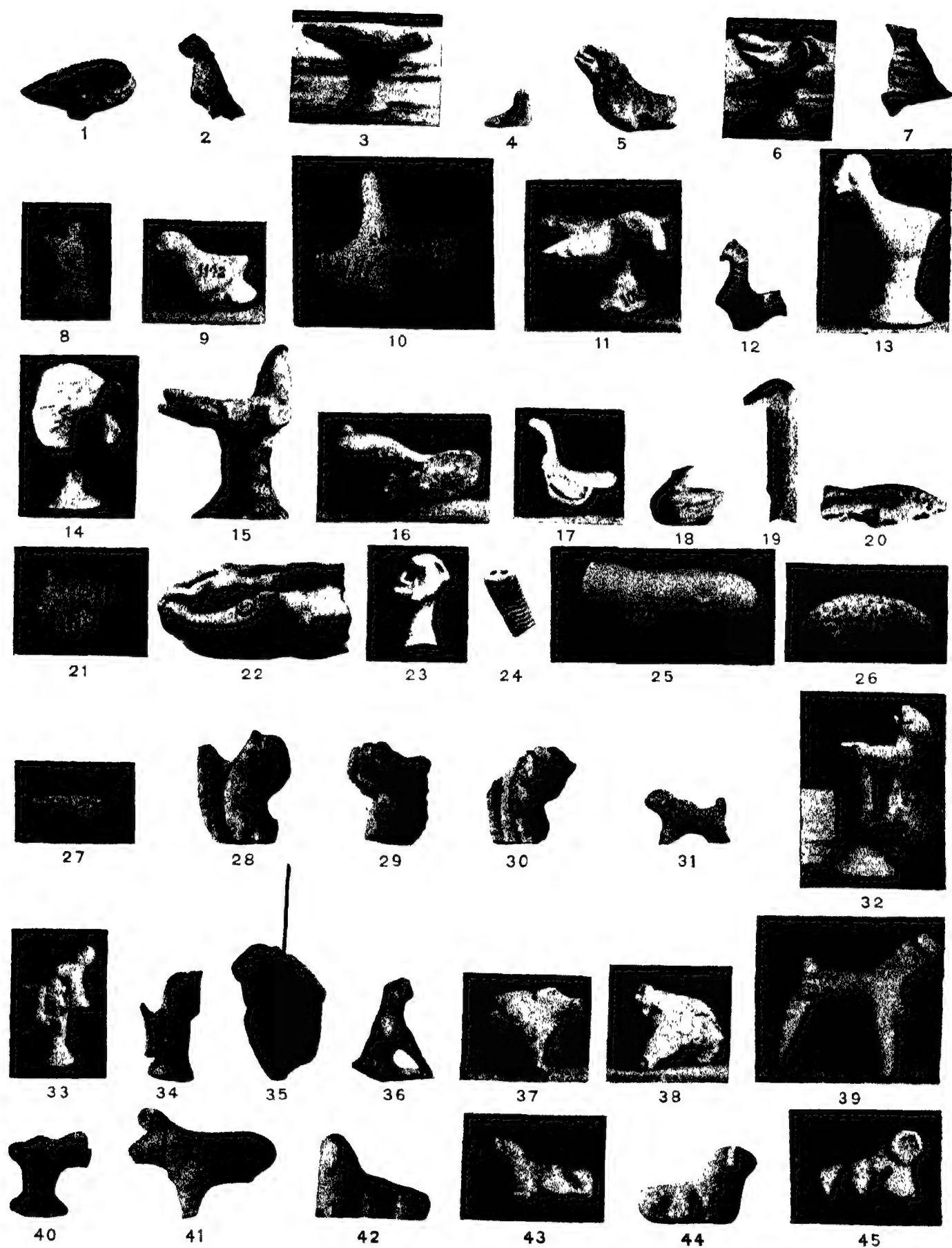
MOUND AB, TRENCH AT THE SOUTHERN EDGE.
ROW OF POST-CREMATION URNS, LOOKING SOUTH.



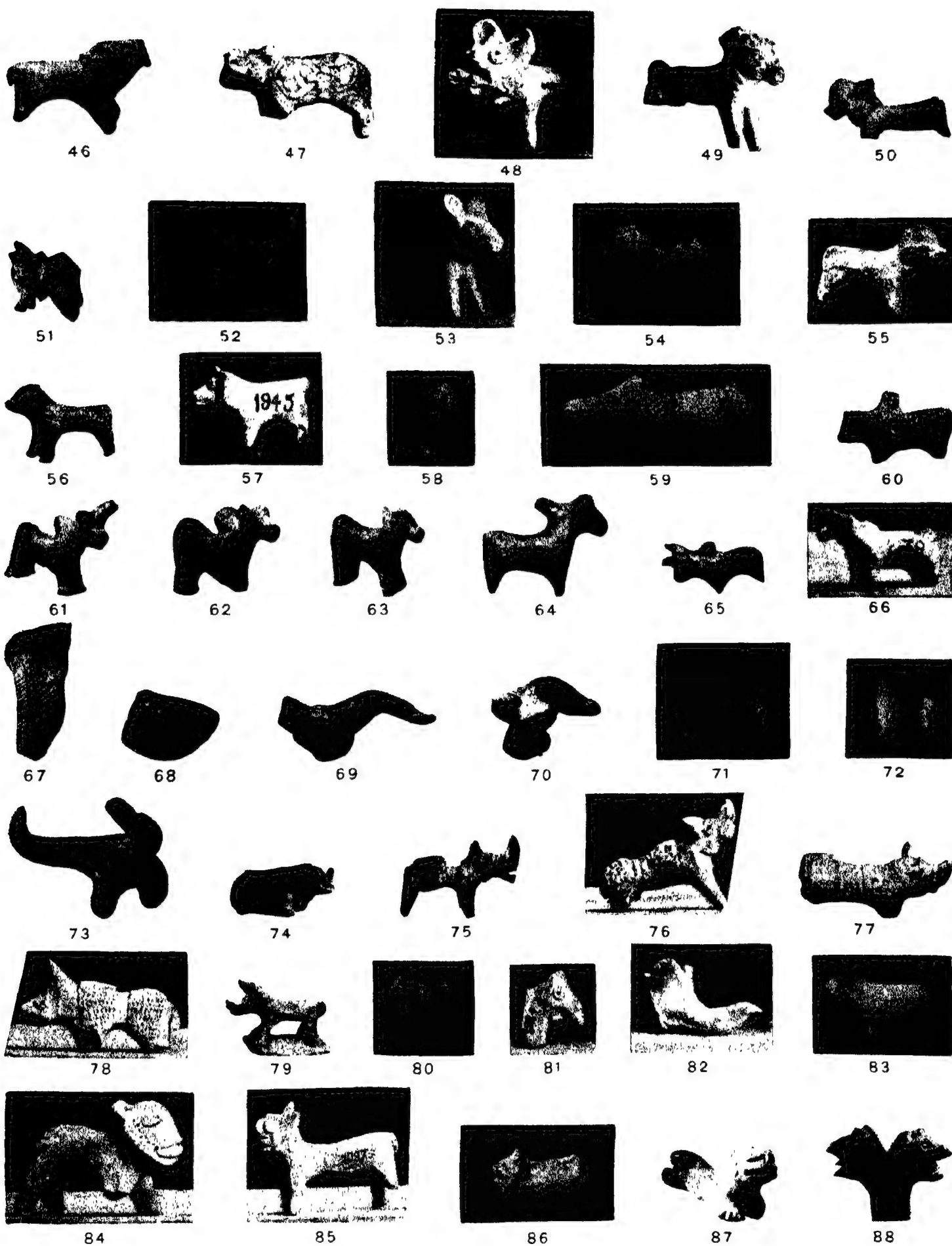
TERRACOTTA HUMAN FIGURINES.



TERRACOTTA HUMAN FIGURINES



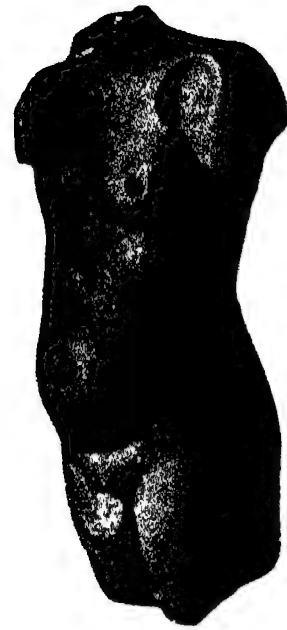
ANIMAL FIGURINES OF TERRACOTTA, LALUE, STONE, ETC.



ANIMAL FIGURINES OF TERRACOTTA, FAIENGE, STONE, ETC.



(a)



(b)

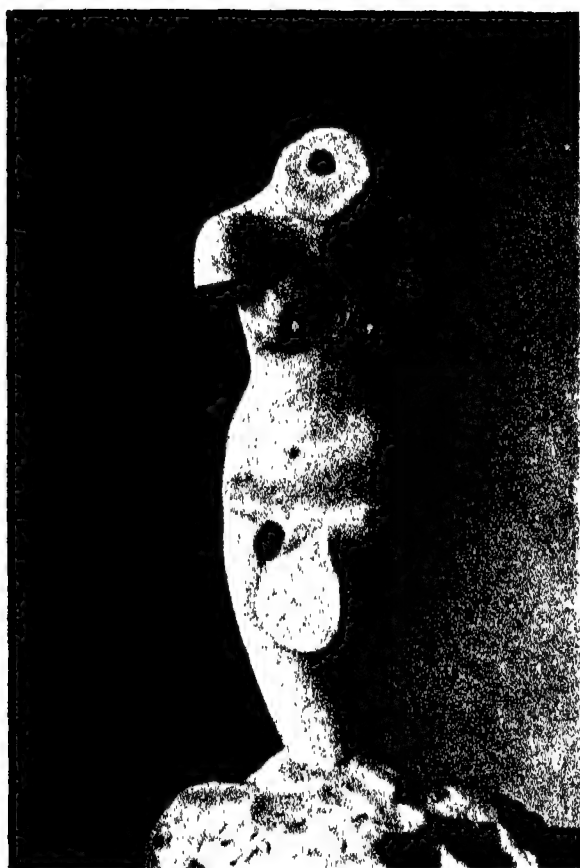


(c)



(d)

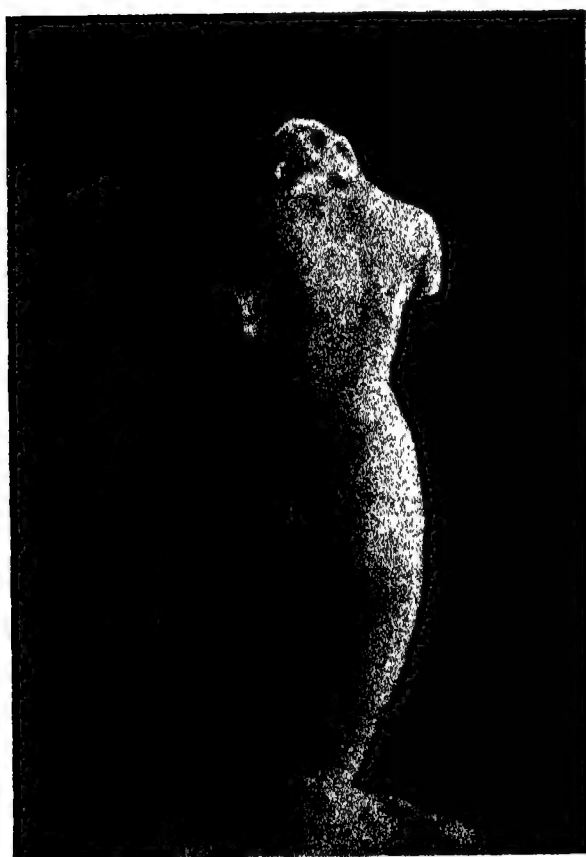
STATUETTE OF RED SANDSTONE NO. 9042 FROM TRENCH IV.



(a)



(b)

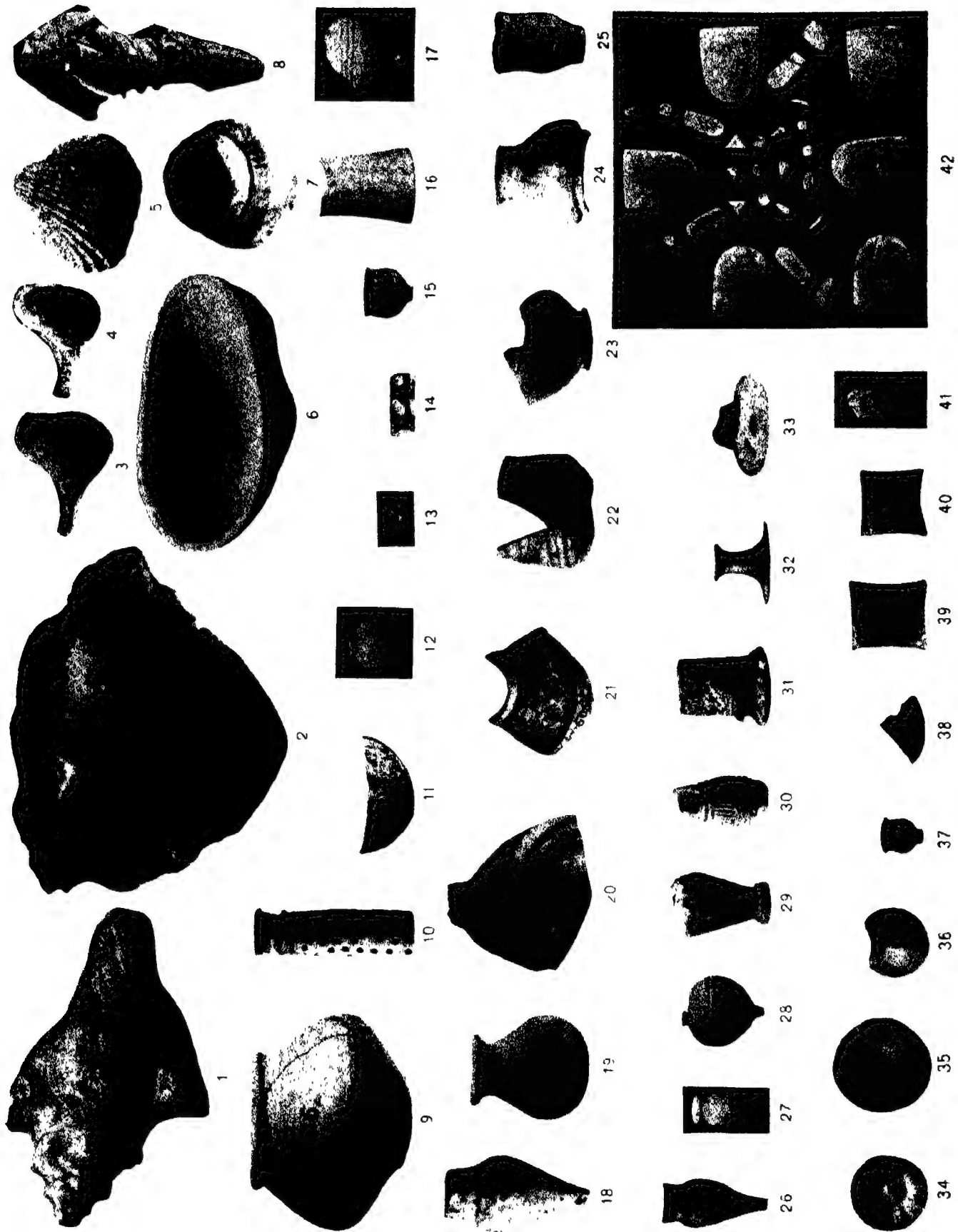


(c)



(d)

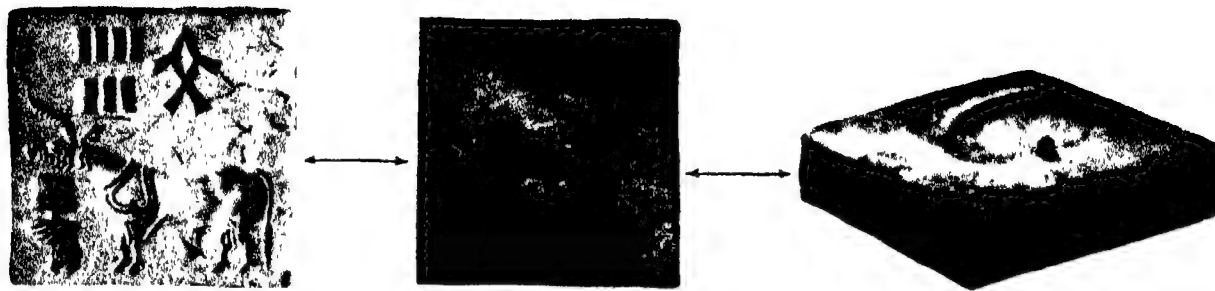
STATUETTE OF GREY STONE NO. Ab 959 FROM THE CENTRAL AISLE OF THE GREAT GRANARY.



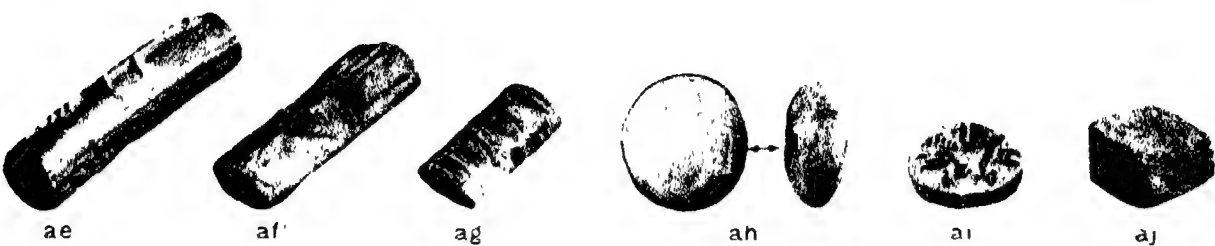
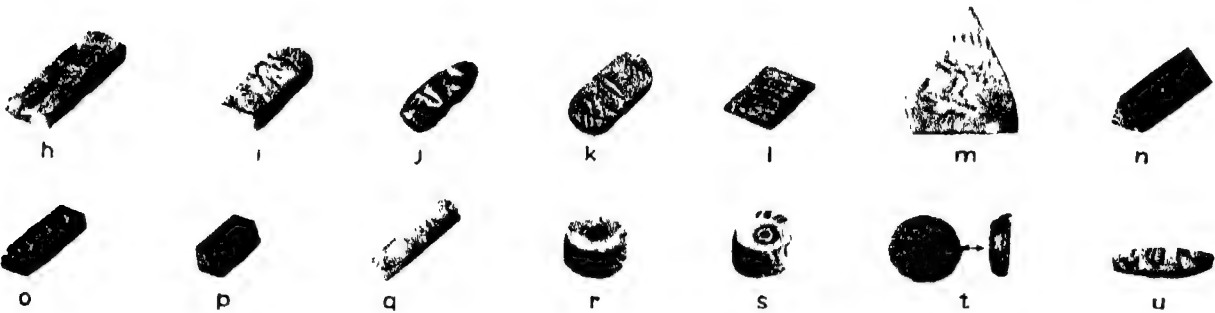
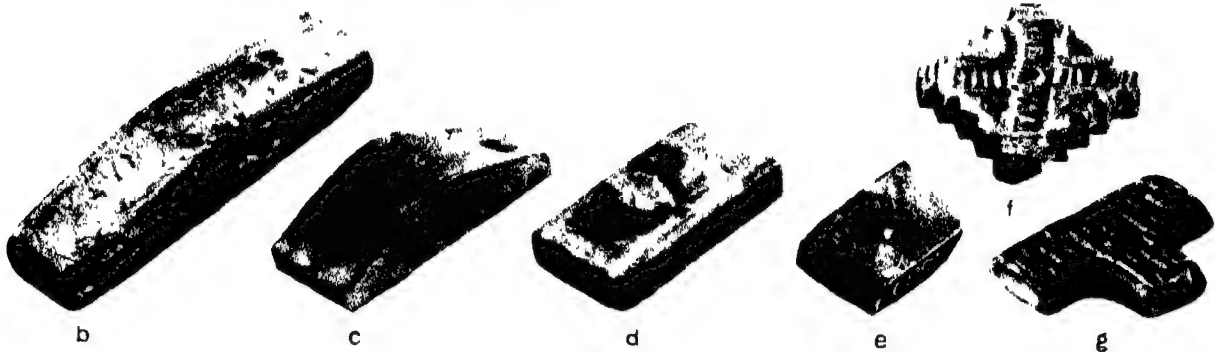
MISCELLANEOUS OBJECTS OF SANDSTONE, FAIENCE AND STONE.



STONE VESSELS, MACE-HEADS AND OBJECTS OF TECHNICAL INTEREST IN STONE AND FAIENGE.



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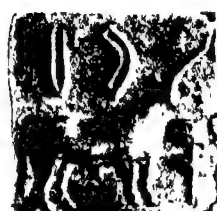
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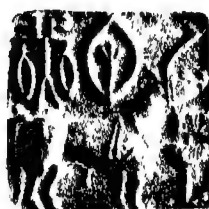
26



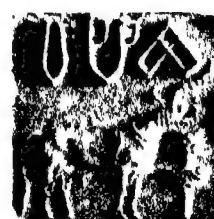
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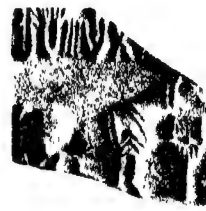
46



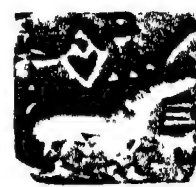
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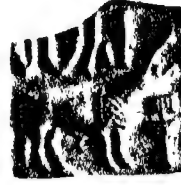
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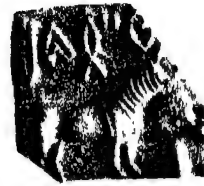
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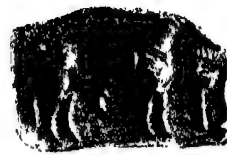
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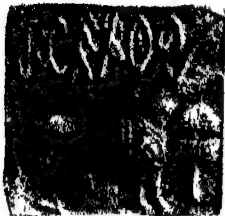
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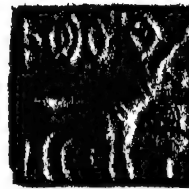
77



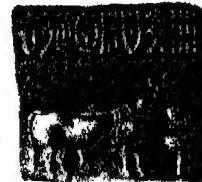
78



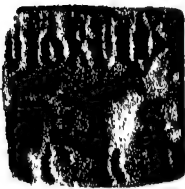
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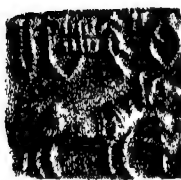
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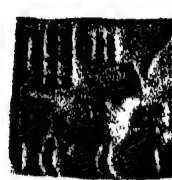
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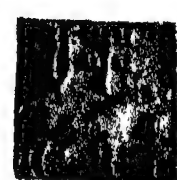
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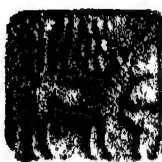
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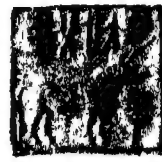
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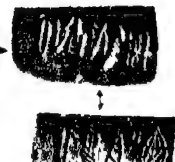
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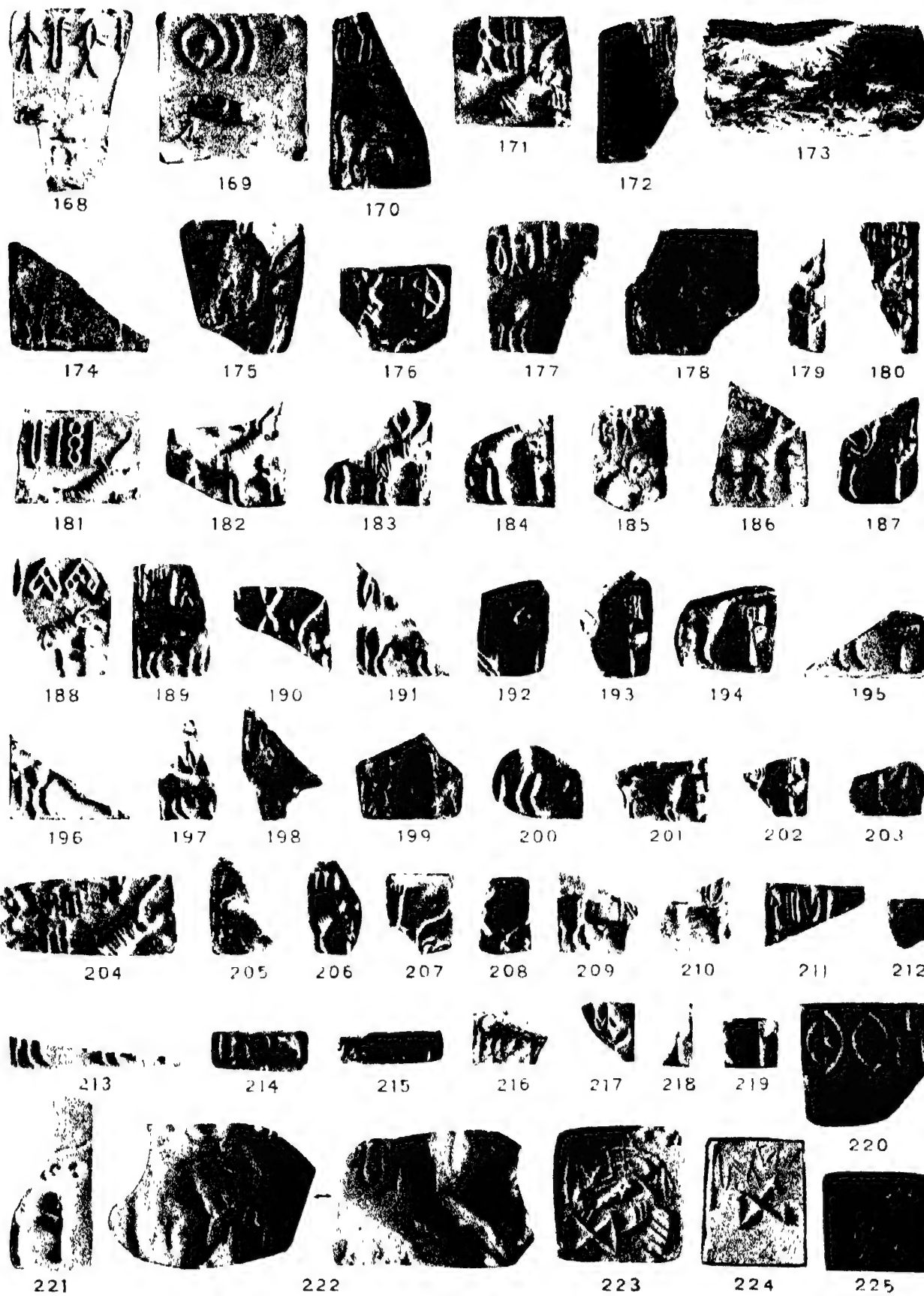
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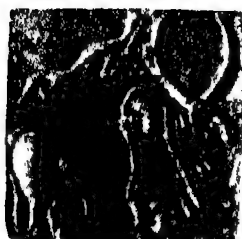
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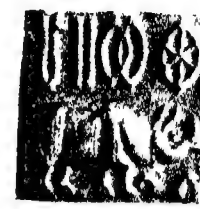
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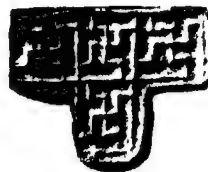
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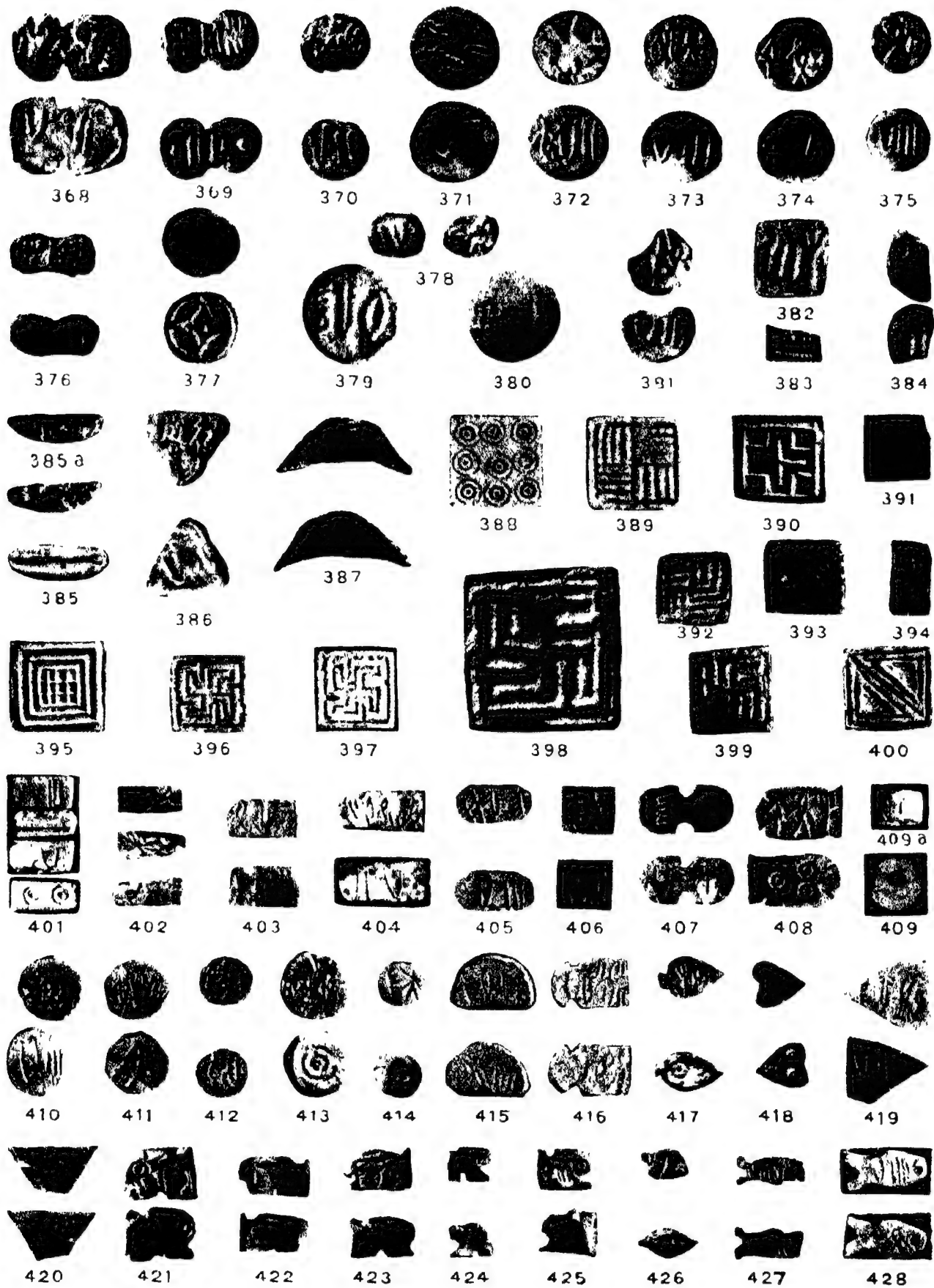
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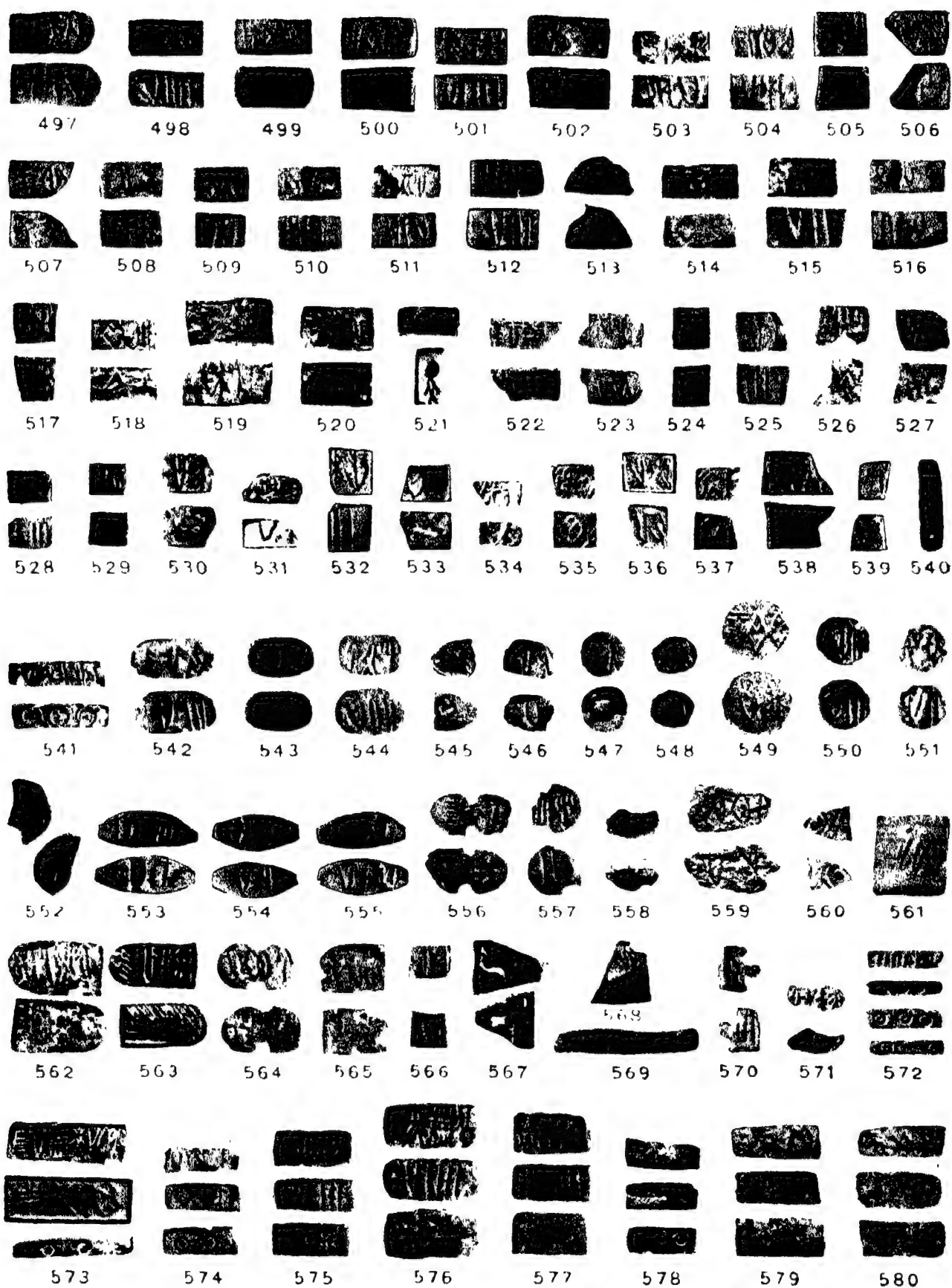
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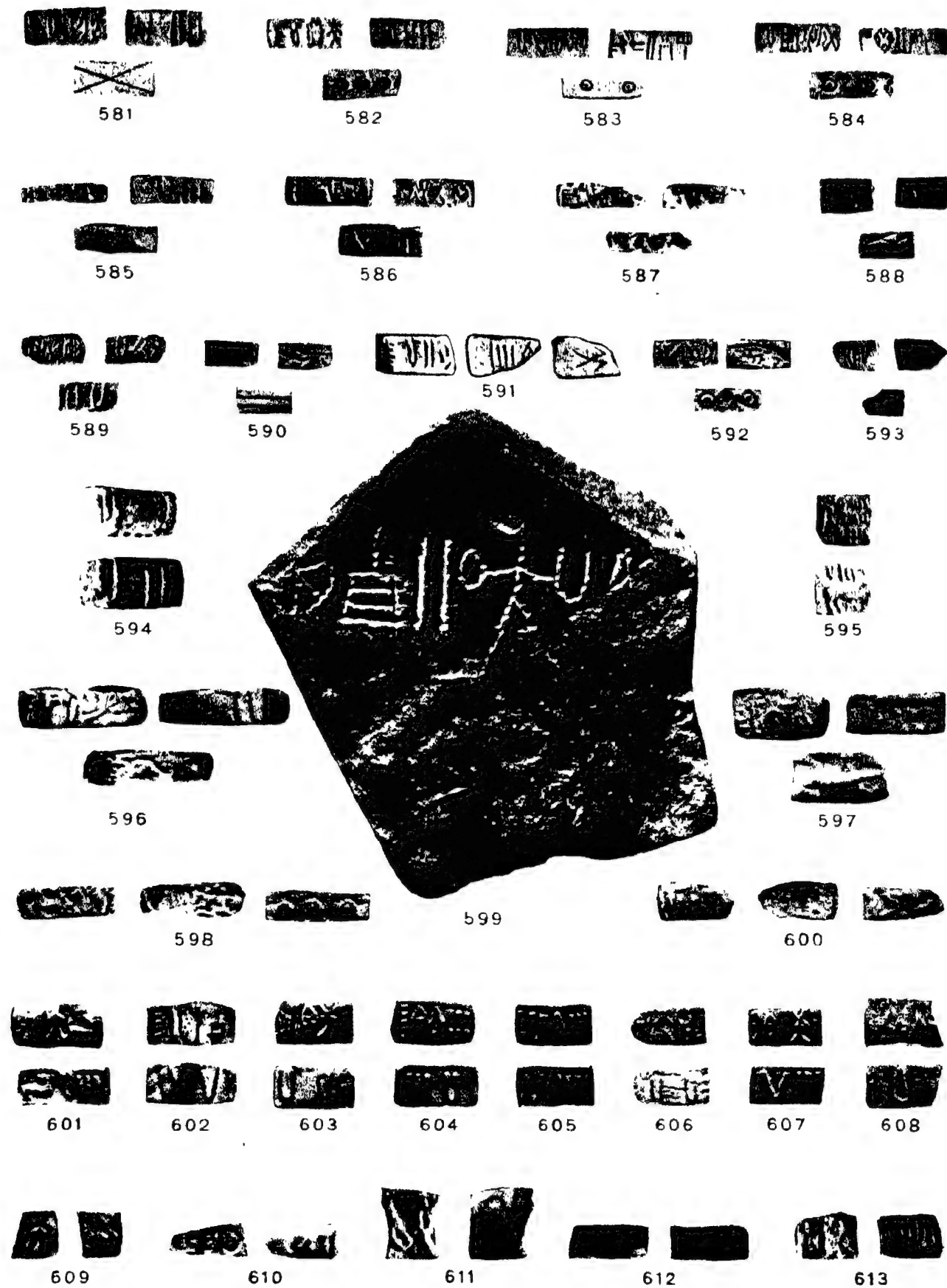














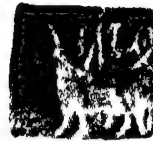
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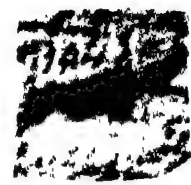
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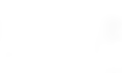
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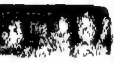
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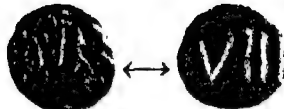
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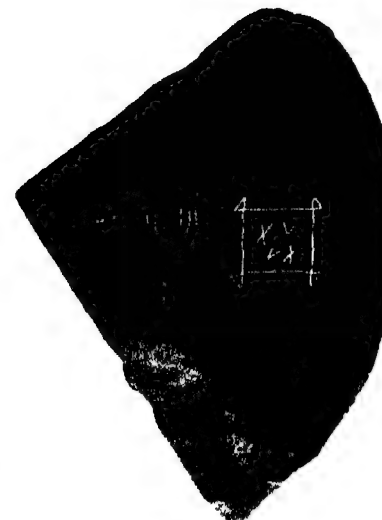
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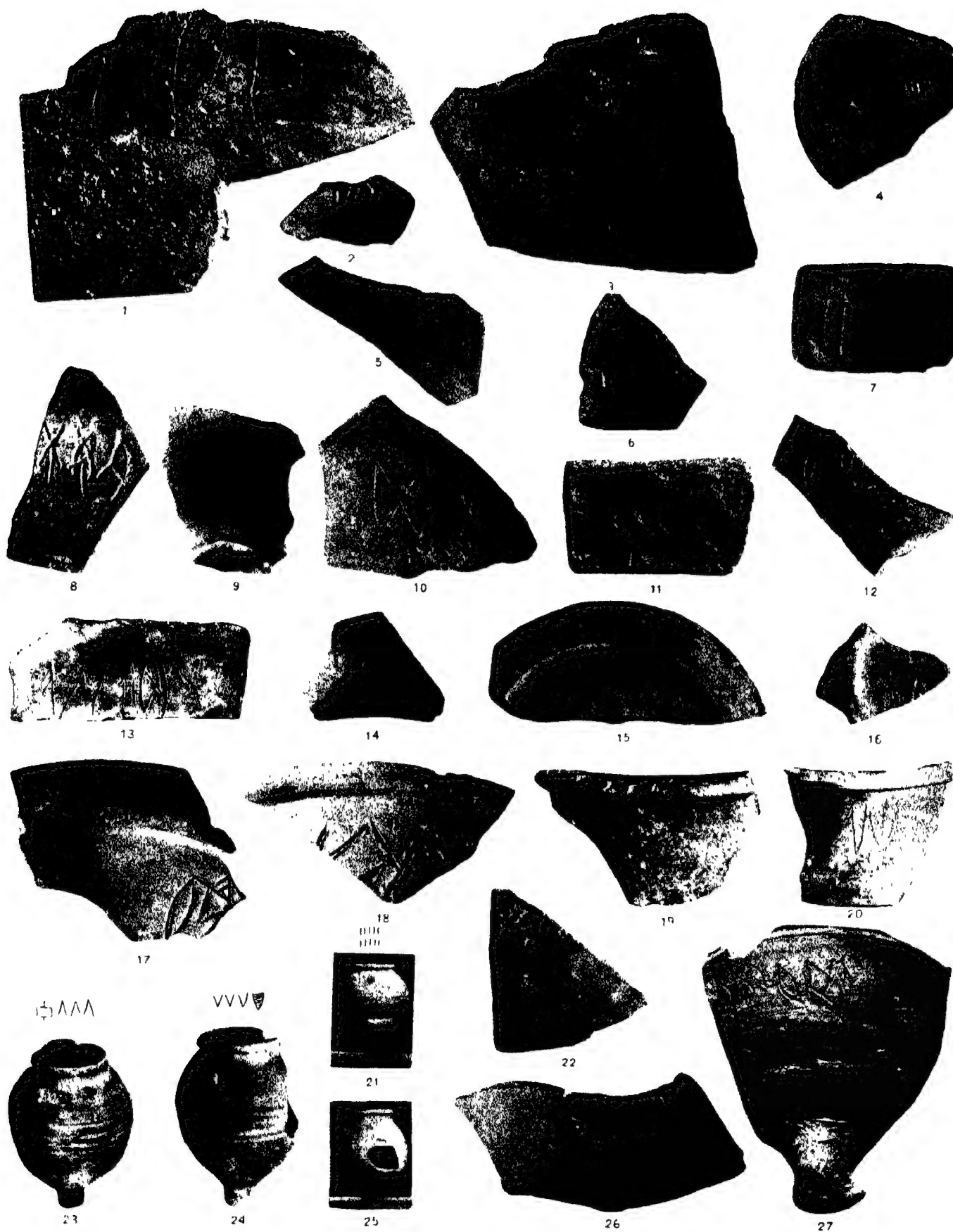
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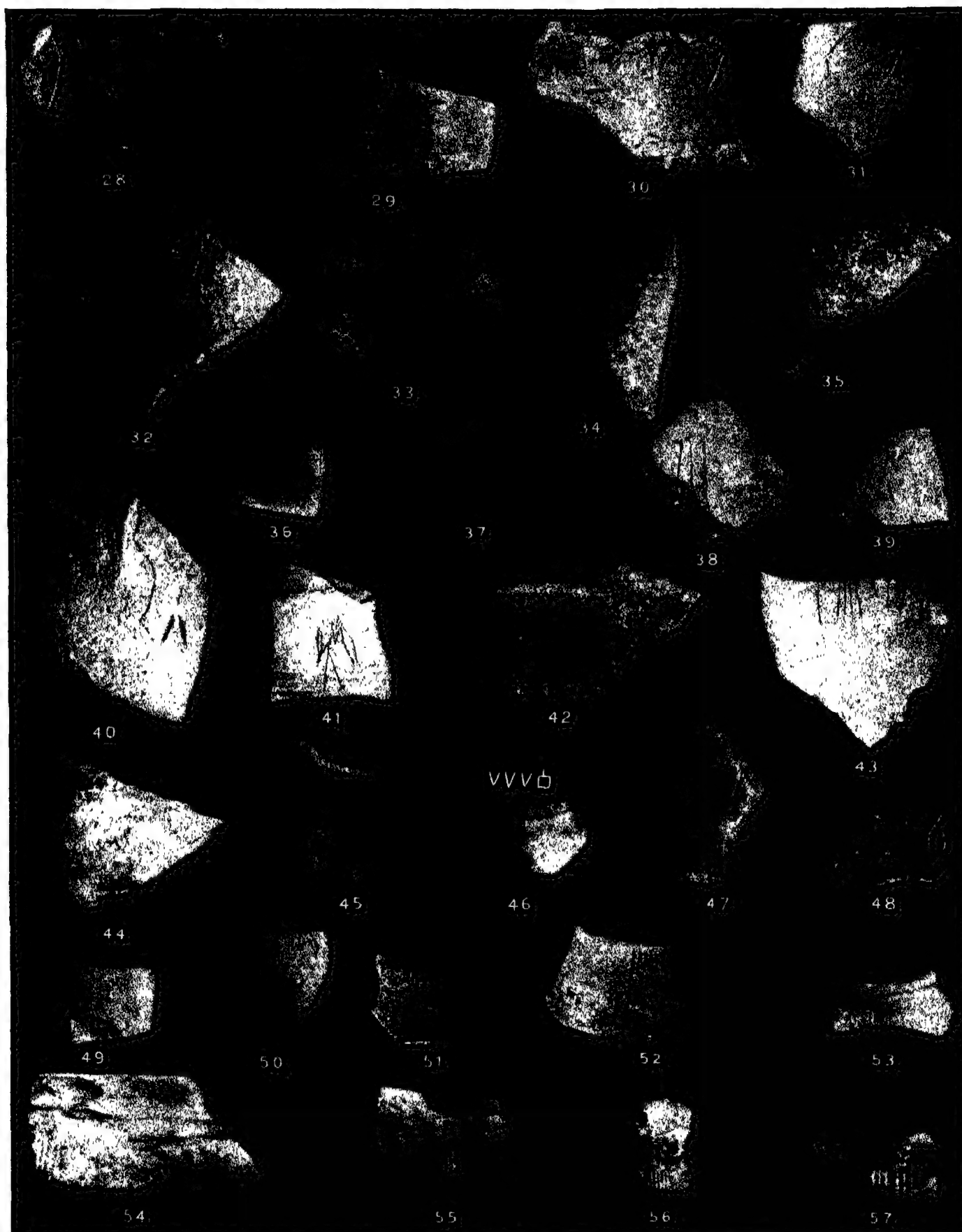
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INSCRIBED POTTERY.



INSCRIBED POTTERY AND THREE INSCRIBED FRAGMENTS OF STONE.



INSCRIBED POTTERY.

| | | | | |
|--------|----------|----------|---------|----------|
| 1 | 12215 | 10142 | 1591 | 12461 |
| 1 | 12420 | 4058 | 11379 | |
| | J-322 | 2540 | 7716 | 12574 |
| | 1245 | 11456 | 12377 | 8. |
| | 11.05 | 5254 | G.107 | 11138 |
| | 9080 | J-361 | 10997 | 9 |
| | 11559 | J-329 | A(m)553 | 12581 |
| | 11304 | 3508 | 12493 | 4178 |
| | 11.66(a) | 5534 | A(m)222 | 4043 |
| | 11243 | A-233 | 7.4.4 | 8650(a) |
| | 1.15(a) | B-551 | 4041 | 44 |
| | H.137 | 4079 | 7155 | 10740 |
| | 2367 | J-493 | 3611 | 3757 |
| | 1092 | J-211 | 10880 | 11705 |
| | 2700 | P1-42 | P11-59 | 5399 |
| | 11.750 | 3170 | H-811 | 8650(b) |
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| | 0-107 | A(m)553 | 4553 | 11 |
| A(1)30 | 5389 | 2789 | 11630 | 1.2548 |
| | 2893 | 7354 | 11795 | J-413 |
| | 1872 | J-256 | 474 | J.40 |
| | 10142 | 11022 | 4015 | 11645 |
| II, II | 10985 | 1200 | J.481 | 3611 |
| 2 | 10226 | 2981 | 10851 | 1.2541 |
| | 11852 | B-191 | 7006 | 12721 |
| | 10929 | 10081 | 5446 | X |
| | 741 | 12104 | A-214 | 10185(a) |
| | 12132 | P1-39 | 11149 | 12. |
| | P1-44 | 5 | 11033 | 11 |
| | J-581 | 11.11 | 5975 | 12. |
| | A(m)97 | 5. | 11131 | 13 |
| | B-234 | III, III | 11311 | 10102 |
| | 5674 | 6 | 8718 | 2463 |
| | A(m)279 | | G.217 | 5152 |
| | 2482 | | 10895 | 8-9ummi |
| | 4076 | | P1V-114 | A(s)62 |
| | 10625 | | 8650(b) | 14 |
| | 11379 | | 4703 | 115 |
| | 12066 | | 12035 | 11547 |
| | 201 | | A(m)279 | A-441 |
| | 11291 | | J-213 | 7541 |
| | 11798 | | 8350 | 12185 |
| | 12216 | | | |

| | | | | | | | | | | |
|--------|---------|------|-------|----------|------|-------|------|------|-------|------|
| | 2700 | 𐌲𐌴𐌹𐌺 | J 630 | 𐌲𐌴𐌹𐌺 | > | D-191 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | H-105 | 𐌲𐌴𐌹𐌺 |
| | J 630 | 𐌲𐌴𐌹𐌺 | 1641 | 𐌲𐌴𐌹𐌺 | 37a | 474 | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | 4042 | 𐌲𐌴𐌹𐌺 | PI-2 | 𐌲𐌴𐌹𐌺 | | A-551 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | J 46 | 𐌲𐌴𐌹𐌺 |
| | A-264 | 𐌲𐌴𐌹𐌺 | x | | | | | 41a | | |
| | 1056 | 𐌲𐌴𐌹𐌺 | (| 3611 | 𐌲𐌴𐌹𐌺 | /\ | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| | 1145H | 𐌲𐌴𐌹𐌺 | x | | | 38 | 𐌲𐌴𐌹𐌺 | 41a | | |
| | 2281 | 𐌲𐌴𐌹𐌺 | P | PI 42 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 41a | | |
| | PIV 114 | 𐌲𐌴𐌹𐌺 | 25 | | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 2640 | 𐌲𐌴𐌹𐌺 |) | 7111 | 𐌲𐌴𐌹𐌺 | 39 | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | x | | 26 | 1145H | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 272 | 𐌲𐌴𐌹𐌺 |
| | 11211 | 𐌲𐌴𐌹𐌺 | | 2867 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 16a | | 𐌲𐌴𐌹𐌺 | | A-101 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 198 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | 11291 | 𐌲𐌴𐌹𐌺 | x | 2961 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 16b | | | | | | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | PI 40 | 𐌲𐌴𐌹𐌺 |) | 5084 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| 17 | J-449 | 𐌲𐌴𐌹𐌺 | 28 | 11111 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 272 | 𐌲𐌴𐌹𐌺 |
| | 1215 | 𐌲𐌴𐌹𐌺 | x | | | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | 12104 | 𐌲𐌴𐌹𐌺 |) | 12415(-) | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 198 | 𐌲𐌴𐌹𐌺 |
| 17a | | | 31 | PIV-114 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | 11011 | 𐌲𐌴𐌹𐌺 | | 10102 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| 17b | | 𐌲𐌴𐌹𐌺 | | 1607 | 𐌲𐌴𐌹𐌺 | 39a | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | 4765 | 𐌲𐌴𐌹𐌺 | | 11467 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 18 | 10242 | 𐌲𐌴𐌹𐌺 | | 1281 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 11042 | 𐌲𐌴𐌹𐌺 | | 12578 | 𐌲𐌴𐌹𐌺 | 40 | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | A-101 | 𐌲𐌴𐌹𐌺 | 45 | 11111 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| 154 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | | 180 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| PII 21 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | | PI-42 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| 1411 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | | | | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| | | | 𐌲𐌴𐌹𐌺 | 2257 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
|) | 1172 | 𐌲𐌴𐌹𐌺 | 32 | 1273 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| 19 | 4044 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | J-455 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| | J-10 | 𐌲𐌴𐌹𐌺 | 32a | | | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 12251 | 𐌲𐌴𐌹𐌺 | x | | | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | 128 | 𐌲𐌴𐌹𐌺 | 6 | 1008 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| | 10831 | 𐌲𐌴𐌹𐌺 | 36 | 4965 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 11331 | 𐌲𐌴𐌹𐌺 | | 1771 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | 11942 | 𐌲𐌴𐌹𐌺 | | 10242 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 41a | 11564 | 𐌲𐌴𐌹𐌺 |
| | 1244 | 𐌲𐌴𐌹𐌺 | | 21 | 𐌲𐌴𐌹𐌺 | 40a | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 4795 | 𐌲𐌴𐌹𐌺 | | 12721 | 𐌲𐌴𐌹𐌺 | | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| 𐌲𐌴𐌹𐌺 | A-109 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 3716 | 𐌲𐌴𐌹𐌺 | 40a | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| 20 | J-494 | 𐌲𐌴𐌹𐌺 | 37 | | | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |
| | 7663 | 𐌲𐌴𐌹𐌺 | 𐌲𐌴𐌹𐌺 | PI-42 | 𐌲𐌴𐌹𐌺 | 40a | 𐌲𐌴𐌹𐌺 | 41a | 12751 | 𐌲𐌴𐌹𐌺 |
| | 11131 | 𐌲𐌴𐌹𐌺 | 37a | PI 41 | 𐌲𐌴𐌹𐌺 | x | 𐌲𐌴𐌹𐌺 | 41a | 10011 | 𐌲𐌴𐌹𐌺 |

| | | | | | | | |
|-----|-------|-----|-------|-----|-------|-----|-------|
| 53 | 10086 | 55 | 11459 | 57 | 10361 | 59 | 11077 |
| 50 | 1150 | 56 | 11466 | 58 | 11466 | 60 | 11077 |
| 51 | 1150 | 57 | 11466 | 59 | 11466 | 61 | 11077 |
| 52 | 1150 | 58 | 11466 | 60 | 11466 | 62 | 11077 |
| 53 | 1150 | 59 | 11466 | 61 | 11466 | 63 | 11077 |
| 54 | 1150 | 60 | 11466 | 62 | 11466 | 64 | 11077 |
| 55 | 1150 | 61 | 11466 | 63 | 11466 | 65 | 11077 |
| 56 | 1150 | 62 | 11466 | 64 | 11466 | 66 | 11077 |
| 57 | 1150 | 63 | 11466 | 65 | 11466 | 67 | 11077 |
| 58 | 1150 | 64 | 11466 | 66 | 11466 | 68 | 11077 |
| 59 | 1150 | 65 | 11466 | 67 | 11466 | 69 | 11077 |
| 60 | 1150 | 66 | 11466 | 68 | 11466 | 70 | 11077 |
| 61 | 1150 | 67 | 11466 | 69 | 11466 | 71 | 11077 |
| 62 | 1150 | 68 | 11466 | 70 | 11466 | 72 | 11077 |
| 63 | 1150 | 69 | 11466 | 71 | 11466 | 73 | 11077 |
| 64 | 1150 | 70 | 11466 | 72 | 11466 | 74 | 11077 |
| 65 | 1150 | 71 | 11466 | 73 | 11466 | 75 | 11077 |
| 66 | 1150 | 72 | 11466 | 74 | 11466 | 76 | 11077 |
| 67 | 1150 | 73 | 11466 | 75 | 11466 | 77 | 11077 |
| 68 | 1150 | 74 | 11466 | 76 | 11466 | 78 | 11077 |
| 69 | 1150 | 75 | 11466 | 77 | 11466 | 79 | 11077 |
| 70 | 1150 | 76 | 11466 | 78 | 11466 | 80 | 11077 |
| 71 | 1150 | 77 | 11466 | 79 | 11466 | 81 | 11077 |
| 72 | 1150 | 78 | 11466 | 80 | 11466 | 82 | 11077 |
| 73 | 1150 | 79 | 11466 | 81 | 11466 | 83 | 11077 |
| 74 | 1150 | 80 | 11466 | 82 | 11466 | 84 | 11077 |
| 75 | 1150 | 81 | 11466 | 83 | 11466 | 85 | 11077 |
| 76 | 1150 | 82 | 11466 | 84 | 11466 | 86 | 11077 |
| 77 | 1150 | 83 | 11466 | 85 | 11466 | 87 | 11077 |
| 78 | 1150 | 84 | 11466 | 86 | 11466 | 88 | 11077 |
| 79 | 1150 | 85 | 11466 | 87 | 11466 | 89 | 11077 |
| 80 | 1150 | 86 | 11466 | 88 | 11466 | 90 | 11077 |
| 81 | 1150 | 87 | 11466 | 89 | 11466 | 91 | 11077 |
| 82 | 1150 | 88 | 11466 | 90 | 11466 | 92 | 11077 |
| 83 | 1150 | 89 | 11466 | 91 | 11466 | 93 | 11077 |
| 84 | 1150 | 90 | 11466 | 92 | 11466 | 94 | 11077 |
| 85 | 1150 | 91 | 11466 | 93 | 11466 | 95 | 11077 |
| 86 | 1150 | 92 | 11466 | 94 | 11466 | 96 | 11077 |
| 87 | 1150 | 93 | 11466 | 95 | 11466 | 97 | 11077 |
| 88 | 1150 | 94 | 11466 | 96 | 11466 | 98 | 11077 |
| 89 | 1150 | 95 | 11466 | 97 | 11466 | 99 | 11077 |
| 90 | 1150 | 96 | 11466 | 98 | 11466 | 100 | 11077 |
| 91 | 1150 | 97 | 11466 | 99 | 11466 | | |
| 92 | 1150 | 98 | 11466 | 100 | 11466 | | |
| 93 | 1150 | 99 | 11466 | | | | |
| 94 | 1150 | 100 | 11466 | | | | |
| 95 | 1150 | | | | | | |
| 96 | 1150 | | | | | | |
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| 99 | 1150 | | | | | | |
| 100 | 1150 | | | | | | |

[illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|-------|-------|------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|------|
| 5724 | 7786 | 2430 | 117 | 11559 | 5880 | PI-41 | 5399 | J-466 | 483 | J-228 | 133. | 12180 | 5542 | 7591 | H-160 | H-220 | 2490 | 12185 | B-Summit | G-290 | 11244 | 9080 | 2786 | 5152 | 11714 | J-274 | 10102 | 12549 | 484 | 2789 | 3961 | 11027 | 10815 | 9080 |
| 7786 | 2430 | 117 | 11559 | 5880 | PI-41 | 5399 | J-466 | 483 | J-228 | 133. | 12180 | 5542 | 7591 | H-160 | H-220 | 2490 | 12185 | B-Summit | G-290 | 11244 | 9080 | 2786 | 5152 | 11714 | J-274 | 10102 | 12549 | 484 | 2789 | 3961 | 11027 | 10815 | 9080 | |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
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| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
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| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
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| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | 11379 | 1591 | 0-117 | 10645 | 11193 | 11796 | J-412 | 12420 | 11344 | 7786 | 8450 | 2630 | 1545 | A-336 | H-637 | H-80 | 7098 | 1241 | 868 | 1244 | G175 | 1046 |
| 5498 | 4396 | 10080 | 11304 | 9059 | 11233 | 1009 | 10310 | 10835(6) | G-290 | 11121 | 3771 | 11369 | | | | | | | | | | | | | | | | | | | | | | |

SIGN MANUAL.

PLATE CX.

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|----------|----------|---------|----------|-------|-----|-------|----------|
| J-493 | ህዝብ | 11331 | ህዝብ(አገር) | 2728 | ህዝብ | 2961 | ህዝብ |
| 1646 | ህዝብ | 114 | ህዝብ(አገር) | 627 | ህዝብ | 241 | ህዝብ |
| J-494 | ህዝብ(አገር) | 1055 | ህዝብ(አገር) | 3044 | ህዝብ | 741 | ህዝብ(አገር) |
| 4058 | ህዝብ | PIV-114 | ህዝብ(አገር) | 201 | ህዝብ | 242 | ህዝብ |
| 4078 | ህዝብ | 27 | ህዝብ(አገር) | 10185 | ህዝብ | 12099 | ህዝብ |
| 4553 | ህዝብ | J-500 | ህዝብ(አገር) | 217 | ህዝብ | 4-220 | ህዝብ(አገር) |
| 945 | ህዝብ | 12416 | ህዝብ(አገር) | 1240 | ህዝብ | 242 | ህዝብ |
| J-228 | ህዝብ | 10058 | ህዝብ(አገር) | 1514 | ህዝብ | 5483 | ህዝብ |
| A-233 | ህዝብ | 10460 | ህዝብ(አገር) | 2118 | ህዝብ | 243 | ህዝብ |
| 11077 | ህዝብ | 1257 | ህዝብ(አገር) | 2700 | ህዝብ | 17 | ህዝብ |
| 12139 | ህዝብ | 5083 | ህዝብ(አገር) | 1211 | ህዝብ | 6-175 | ህዝብ |
| 12154 | ህዝብ | 10086 | ህዝብ(አገር) | 1211 | ህዝብ | 243 | ህዝብ |
| J-508 | ህዝብ | 1807 | ህዝብ(አገር) | 1137 | ህዝብ | X | ህዝብ |
| J-28 | ህዝብ | 6175 | ህዝብ(አገር) | 11332 | ህዝብ | 474 | ህዝብ |
| H-220 | ህዝብ | 1500 | ህዝብ(አገር) | 116 | ህዝብ | 247 | ህዝብ |
| 2266 | ህዝብ | 1646 | ህዝብ(አገር) | 1285 | ህዝብ | 67 | ህዝብ |
| J-413 | ህዝብ | 3482 | ህዝብ(አገር) | 11368 | ህዝብ | 248 | ህዝብ |
| H-613 | ህዝብ | 2961 | ህዝብ(አገር) | 1056 | ህዝብ | X | ህዝብ |
| B-Summit | ህዝብ | 12414 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| PI-2 | ህዝብ | 4991 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 145 | ህዝብ | J-462 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 10111 | ህዝብ | J-46 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 12517 | ህዝብ | 27 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 540 | ህዝብ | 11440 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 4965 | ህዝብ | 3611 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| J-548 | ህዝብ | J-575 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| J-573 | ህዝብ | 483 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 5416 | ህዝብ | 1213 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| H-114 | ህዝብ | 1257 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 474 | ህዝብ | 1670 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 1113 | ህዝብ | 2257 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 12065 | ህዝብ | 1104 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 1360 | ህዝብ | 1975 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 1610 | ህዝብ | 11066 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 1714 | ህዝብ | 1217 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 116 | ህዝብ | 1650 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 1170 | ህዝብ | 2789 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 7411 | ህዝብ | 5880 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 4515 | ህዝብ | 1011 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 7374 | ህዝብ | J-41 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 238 | ህዝብ | 4588 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 483 | ህዝብ | 4141 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 10185(c) | ህዝብ | 1044 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| 10260 | ህዝብ | 10186 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |
| | ህዝብ | 11305 | ህዝብ(አገር) | 1100 | ህዝብ | 251 | ህዝብ |

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|-------|----|--------|----|----------|----|----------|----|
| 12216 | ጸጽ | 1498 | ጸጽ | 12442(a) | ጸጽ | 145 | ጸጽ |
| J-575 | ጸጽ | PI-71 | ጸጽ | 4080 | ጸጽ | 325 | ጸጽ |
| 10242 | ጸጽ | 517 | ጸጽ | 8150 | ጸጽ | 517 | ጸጽ |
| 12537 | ጸጽ | 5974 | ጸጽ | J-455 | ጸጽ | 325 | ጸጽ |
| 170 | ጸጽ | 627 | ጸጽ | 10010 | ጸጽ | 5399 | ጸጽ |
| 151 | ጸጽ | 8718 | ጸጽ | 1215 | ጸጽ | 8650(a) | ጸጽ |
| 1-1 | ጸጽ | 12099 | ጸጽ | 4031 | ጸጽ | 12150 | ጸጽ |
| 283 | ጸጽ | 12715 | ጸጽ | J-473 | ጸጽ | 326 | ጸጽ |
| 292 | ጸጽ | A-441 | ጸጽ | 12581 | ጸጽ | 5254 | ጸጽ |
| 293 | ጸጽ | A-108 | ጸጽ | 5810 | ጸጽ | 4159 | ጸጽ |
| 293 | ጸጽ | J-630 | ጸጽ | J-449 | ጸጽ | PI-47 | ጸጽ |
| 293 | ጸጽ | 12377 | ጸጽ | 12517 | ጸጽ | 8053 | ጸጽ |
| 293 | ጸጽ | J-455 | ጸጽ | 11467 | ጸጽ | 1-581 | ጸጽ |
| 293 | ጸጽ | 2261 | ጸጽ | 11467 | ጸጽ | 331 | ጸጽ |
| 293 | ጸጽ | 11597 | ጸጽ | 12519 | ጸጽ | 11516 | ጸጽ |
| 293 | ጸጽ | 11772 | ጸጽ | 180 | ጸጽ | 170 | ጸጽ |
| 293 | ጸጽ | 1149 | ጸጽ | 2181 | ጸጽ | 9071 | ጸጽ |
| 293 | ጸጽ | 3118 | ጸጽ | 1100 | ጸጽ | 11149 | ጸጽ |
| 293 | ጸጽ | PI-114 | ጸጽ | 1320 | ጸጽ | 11147 | ጸጽ |
| 293 | ጸጽ | J-455 | ጸጽ | J-493 | ጸጽ | D-49 | ጸጽ |
| 293 | ጸጽ | D-18 | ጸጽ | 8921 | ጸጽ | H-110 | ጸጽ |
| 293 | ጸጽ | J-20 | ጸጽ | 1320 | ጸጽ | PI-44 | ጸጽ |
| 293 | ጸጽ | 4991 | ጸጽ | J-493 | ጸጽ | 5112 | ጸጽ |
| 293 | ጸጽ | 1156 | ጸጽ | 8921 | ጸጽ | J-472 | ጸጽ |
| 293 | ጸጽ | PI-114 | ጸጽ | 12518 | ጸጽ | 11134 | ጸጽ |
| 293 | ጸጽ | 11458 | ጸጽ | 322 | ጸጽ | 11711 | ጸጽ |
| 293 | ጸጽ | A-263 | ጸጽ | 323 | ጸጽ | 10080 | ጸጽ |
| 293 | ጸጽ | 642 | ጸጽ | 323 | ጸጽ | 11559 | ጸጽ |
| 293 | ጸጽ | 4065 | ጸጽ | 324 | ጸጽ | 12549 | ጸጽ |
| 293 | ጸጽ | 4531 | ጸጽ | 324 | ጸጽ | 1816 | ጸጽ |
| 293 | ጸጽ | PI-39 | ጸጽ | 324 | ጸጽ | 10310 | ጸጽ |
| 293 | ጸጽ | J-630 | ጸጽ | 324 | ጸጽ | 10675 | ጸጽ |
| 293 | ጸጽ | 12377 | ጸጽ | 324 | ጸጽ | A-233 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 8650(a) | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 11795 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 12415(a) | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 11159 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | A-336 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 11391 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 10142 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 10137 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 2463 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | A-102 | ጸጽ |
| 293 | ጸጽ | | ጸጽ | 324 | ጸጽ | 11077 | ጸጽ |

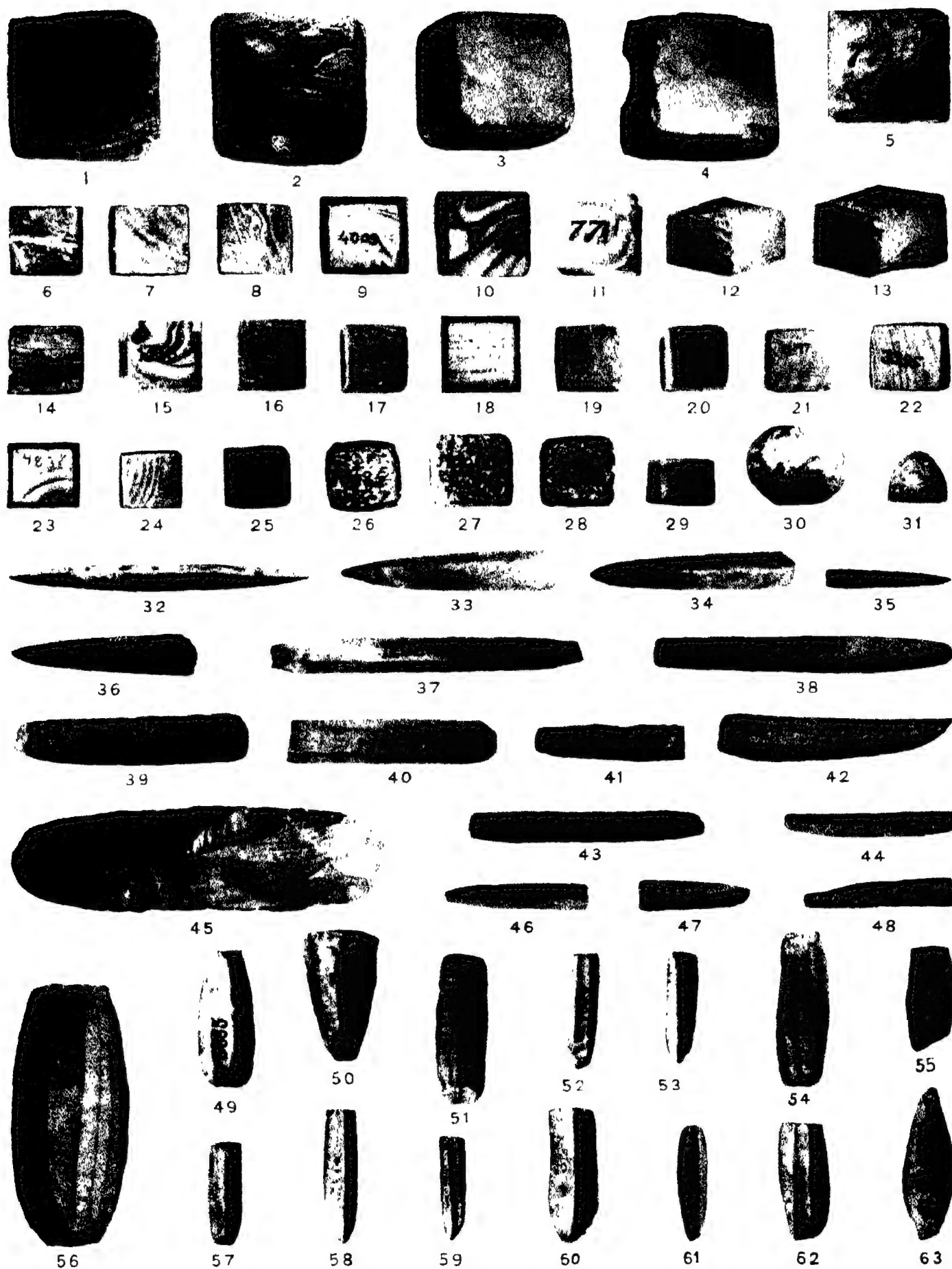
[illegible]

| | | | | | | | | | |
|------|-------|---|------|-------|---|-------|---|-------|---|
| 365. | 7786 | 大 | 378. | 1419 | 大 | 2177 | 大 | 12752 | 大 |
| 大, 大 | J-494 | 大 | 大 | 12139 | 大 | 2463 | 大 | 5399 | 大 |
| 369. | 11795 | 大 | 大 | 2731 | 大 | 649 | 大 | 10831 | 大 |
| 大 | 5613 | 大 | 大 | 3757 | 大 | 10185 | 大 | 10831 | 大 |
| 369. | 10159 | 大 | 大 | 8650 | 大 | 12002 | 大 | 10831 | 大 |
| 大 | 2167 | 大 | 大 | 11449 | 大 | 71006 | 大 | 10831 | 大 |
| 大, 大 | 11798 | 大 | 大 | 4588 | 大 | 386. | 大 | 10831 | 大 |
| 370 | 5617 | 大 | 大 | 10186 | 大 | 386. | 大 | 10831 | 大 |
| | 5614 | 大 | 大 | HR00 | 大 | 386. | 大 | 10831 | 大 |
| | 10128 | 大 | 大 | 12750 | 大 | 386. | 大 | 10831 | 大 |
| | 11266 | 大 | 大 | 11417 | 大 | 386. | 大 | 10831 | 大 |
| | 3975 | 大 | 大 | 1400 | 大 | 386. | 大 | 10831 | 大 |
| | 5151 | 大 | 大 | 4971 | 大 | 386. | 大 | 10831 | 大 |
| | 7111 | 大 | 大 | 7409 | 大 | 386. | 大 | 10831 | 大 |
| | 11149 | 大 | 大 | 5724 | 大 | 386. | 大 | 10831 | 大 |
| | 12149 | 大 | 大 | 5617 | 大 | 386. | 大 | 10831 | 大 |
| 大 | 10163 | 大 | 大 | 3803 | 大 | 386. | 大 | 10831 | 大 |
| 370. | 1421 | 大 | 大 | 4553 | 大 | 386. | 大 | 10831 | 大 |
| 大 | 5367 | 大 | 大 | 1500 | 大 | 386. | 大 | 10831 | 大 |
| 371 | 789 | 大 | 大 | 1063 | 大 | 386. | 大 | 10831 | 大 |
| 372 | 10260 | 大 | 大 | 17414 | 大 | 386. | 大 | 10831 | 大 |
| 大 | PH-71 | 大 | 大 | 14160 | 大 | 386. | 大 | 10831 | 大 |
| 377 | 272 | 大 | 大 | 1361 | 大 | 386. | 大 | 10831 | 大 |
| | 11696 | 大 | 大 | 474 | 大 | 386. | 大 | 10831 | 大 |
| | 11341 | 大 | 大 | 148 | 大 | 386. | 大 | 10831 | 大 |
| 377. | J-500 | 大 | 大 | 11022 | 大 | 386. | 大 | 10831 | 大 |
| 大 | J-548 | 大 | 大 | 8650 | 大 | 386. | 大 | 10831 | 大 |
| 378 | B-234 | 大 | 大 | 3975 | 大 | 386. | 大 | 10831 | 大 |
| | PH-7 | 大 | 大 | 1580 | 大 | 386. | 大 | 10831 | 大 |
| | PI-40 | 大 | 大 | 8154 | 大 | 386. | 大 | 10831 | 大 |
| | 3772 | 大 | 大 | 8650 | 大 | 386. | 大 | 10831 | 大 |
| | | 大 | 大 | G-107 | 大 | 386. | 大 | 10831 | 大 |
| | | 大 | 大 | J-322 | 大 | 386. | 大 | 10831 | 大 |
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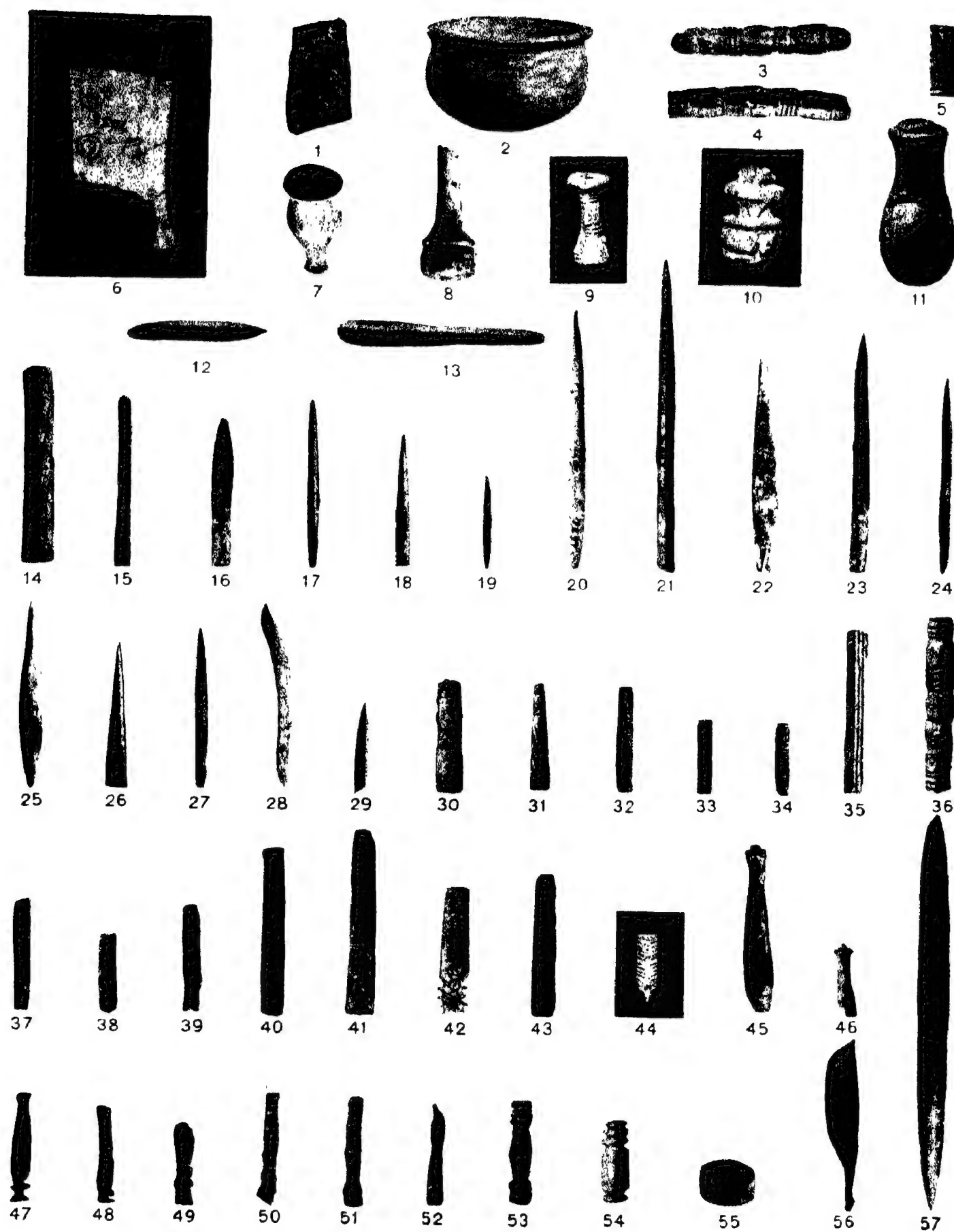
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|------|---------------------------------------------|------|--------|-----|-----------------|-----|-------|
| 409. | 11382 5211 | 409. | 426 | 439 | 398 3725 | 448 | 12415 |
| 410 | 12493 3758 | 427 | 2531 | 440 | A(8)82 J-548 | 449 | B-234 |
| 411 | A-263 | 428 | 11377 | 441 | 5975 11064 | 450 | 2187 |
| 412 | 2430 | 429 | 1055 | | 10102 10614 | | |
| 413 | 109, 9 | 430 | 2867 | | 1055 | | |
| 414 | J-159 7411 | 431 | 2891 | | H-811 | | |
| 415 | A-179 | 432 | 11379 | | 1, 48 | | |
| 416 | 4081 | 433 | 9041 | | 121 19 | | |
| 417 | 1161 | 434 | B-951 | | 12104 | | |
| 418 | 125, 10 | 435 | 1, 418 | | 7266 | | |
| 419 | 3544 11313 10212 | 436 | 1, 752 | | 11368 | | |
| 420 | 11490 12461 | 437 | H-40 | | 2540 | | |
| 421 | 10840 | 438 | 4076 | | 149 | | |
| 422 | H85, 100 116 | | 3757 | | J-73 | | |
| 423 | 4117H 118, 3 476, 1 12547 B-191 | | 11695 | | 4174 | | |
| 424 | 4531 | | 11695 | | 11850 | | |
| 425 | 3170 | | 11695 | | H-441 | | |
| | | | 10929 | | 11852 | | |
| | | | 94 | | J-481 | | |
| | | | 11705 | | 4015 | | |
| | | | D-38 | | A-214 | | |
| | | | 5399 | | 4042 | | |
| | | | H-160 | | 5213 | | |
| | | | A-583 | | 11849 | | |
| | | | A-922 | | 12377 | | |
| | | | 180 | | J-20 | | |
| | | | 438. | | 5203 | | |
| | | | 439 | | J-466 | | |
| | | | 440 | | 10960 | | |
| | | | 441 | | 10960 | | |
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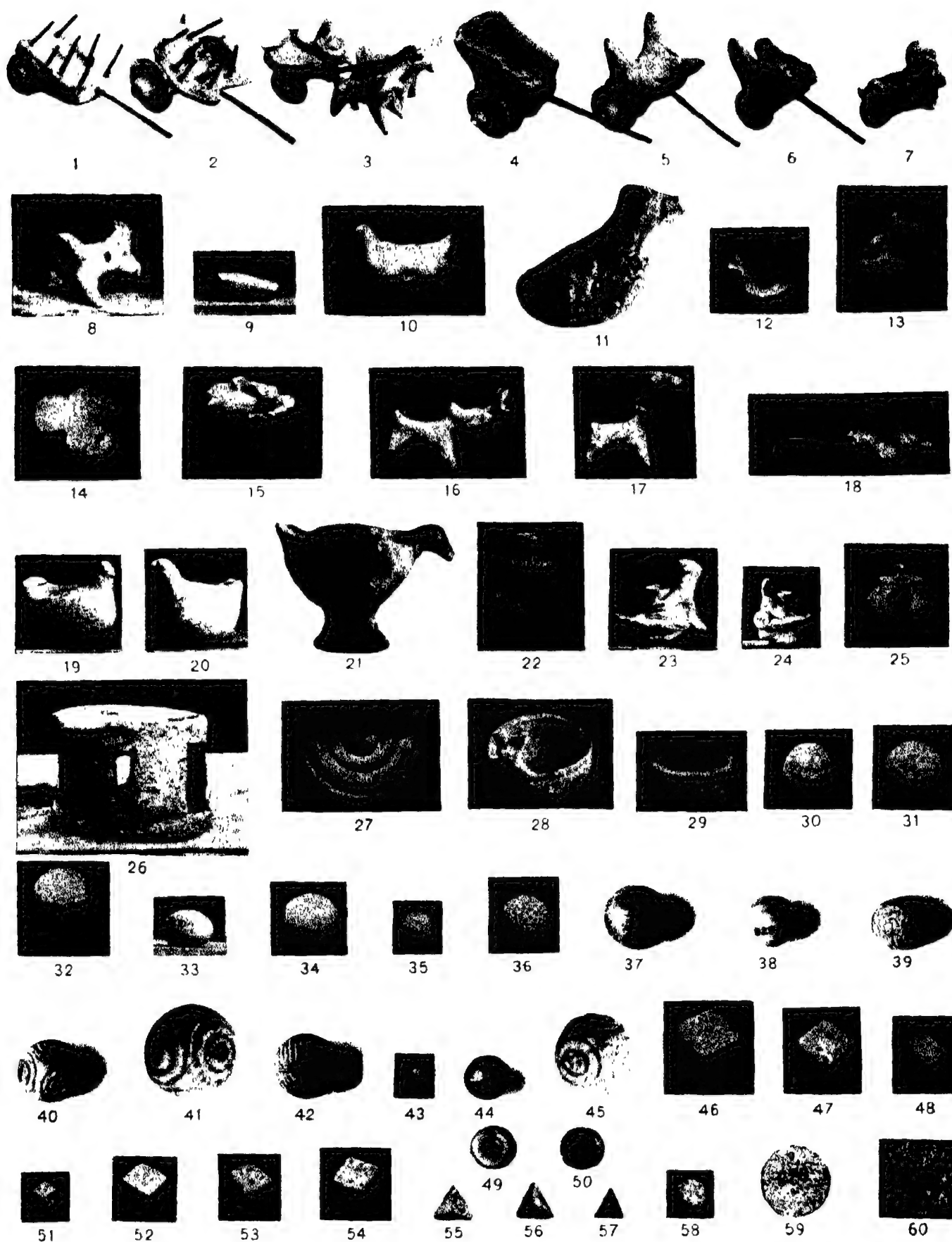
MISCELLANEOUS CULT AND HOUSEHOLD OBJECTS.



STONE AND CHERT WEIGHTS, POLISHERS, KNIVES, CORES AND AN ARROWHEAD.

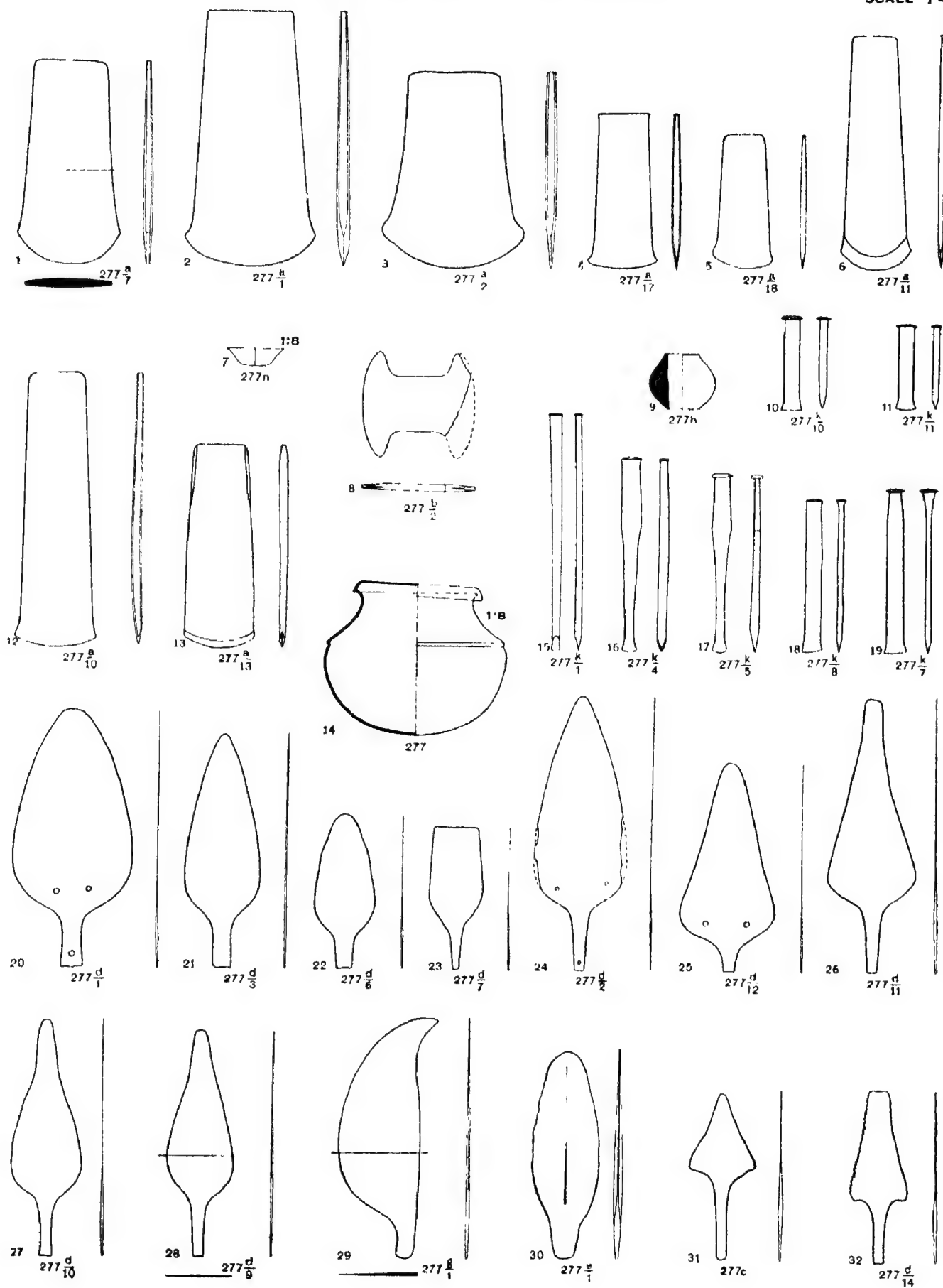


BONE AND IVORY OBJECTS.



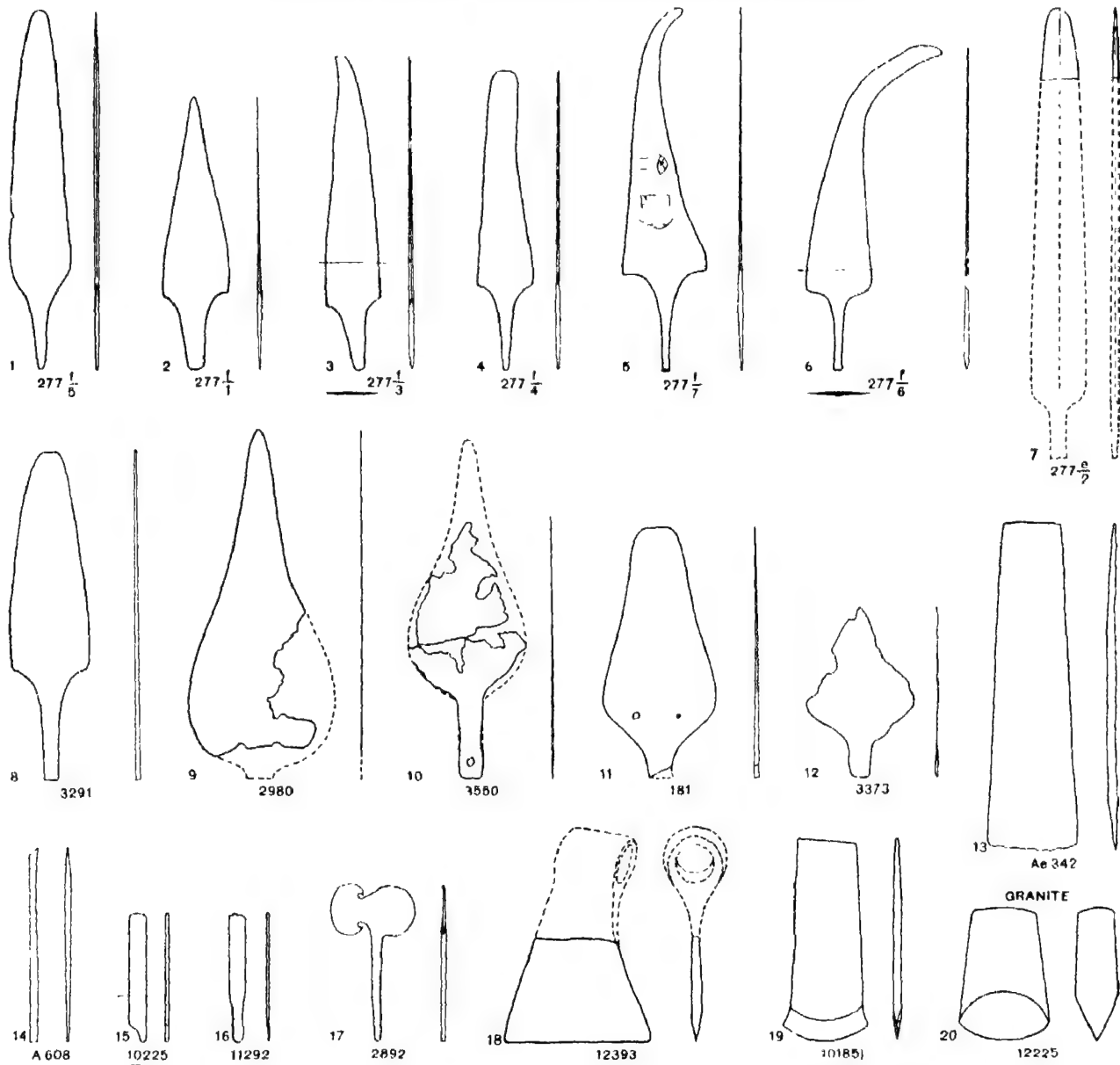
COPPER JAR NO. 277 & ITS CONTENTS

SCALE 1/4

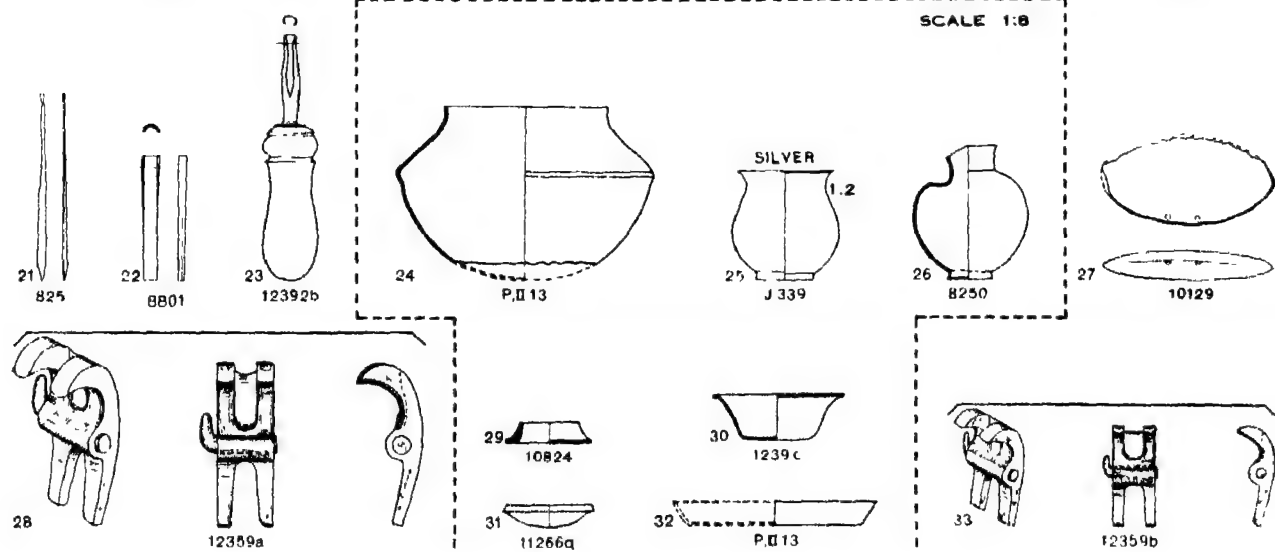


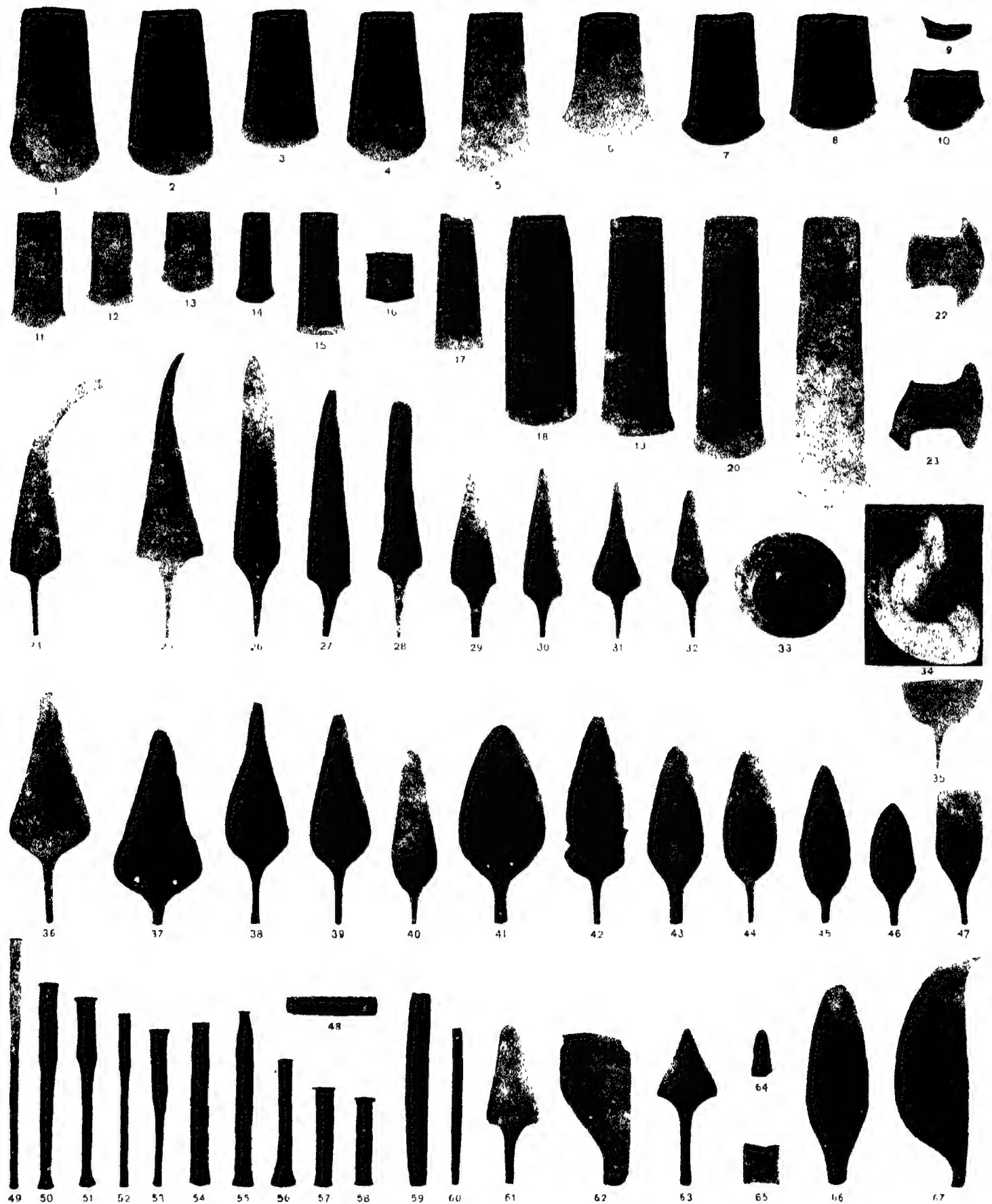
COPPER & BRONZE WEAPONS, IMPLEMENTS, & UTENSILS

SCALE 1:4

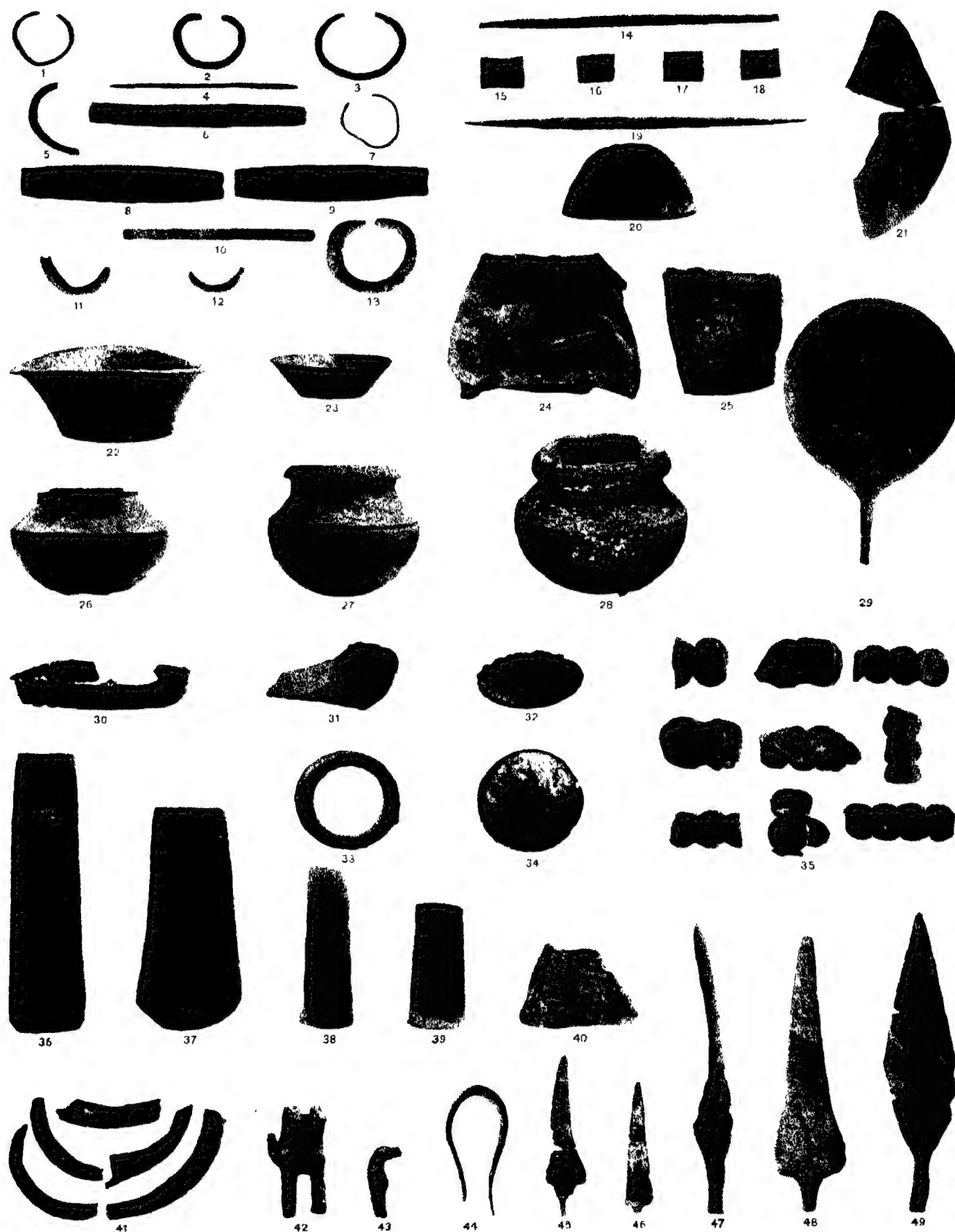


SCALE 1:8

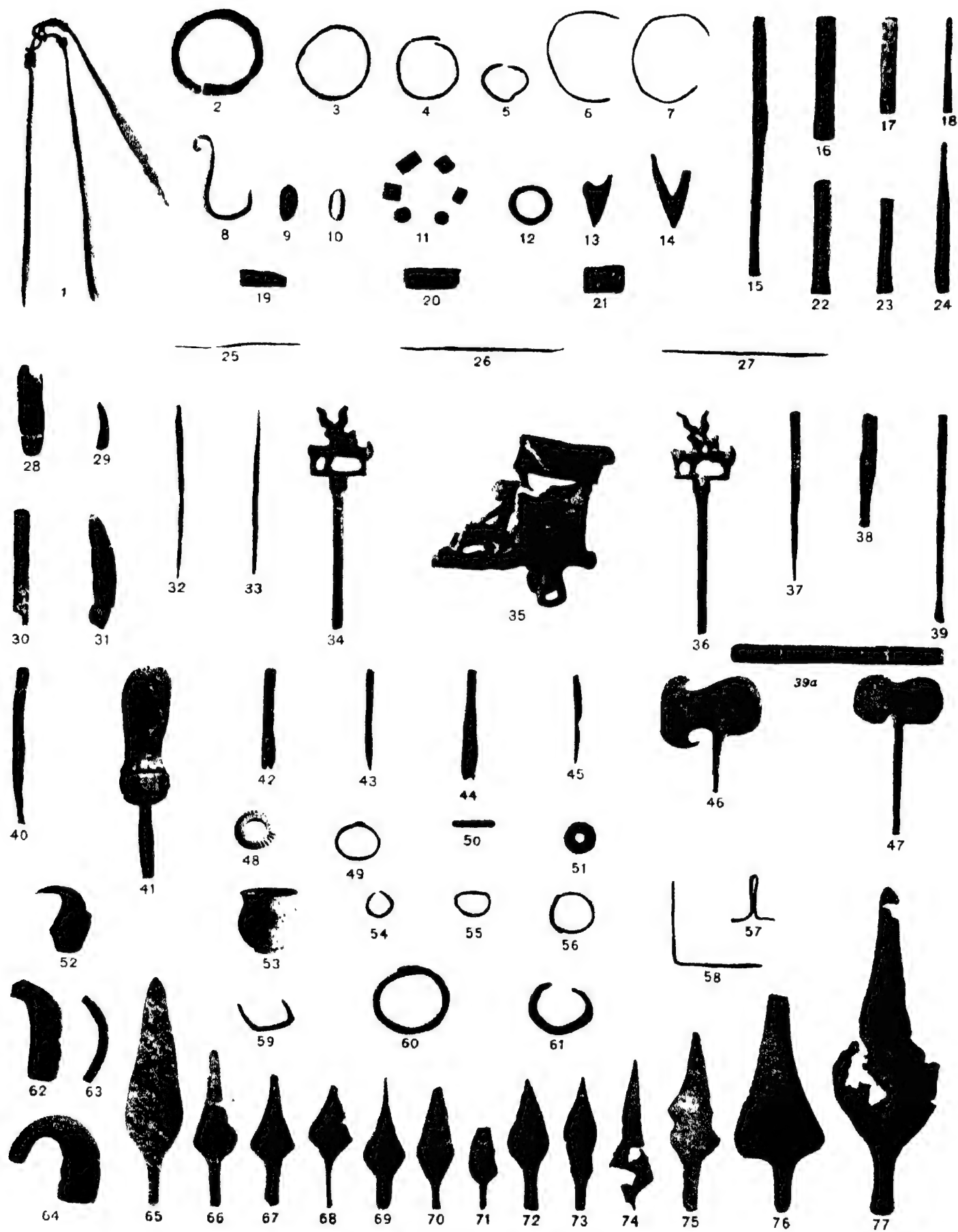




CONTENTS OF COPPER JAR NO. 277 AND MARBLE MACE-HEAD NO. 573.



COPPER AND BRONZE ORNAMENTS, UTENSILS, IMPLEMENTS, WEAPONS, ETC.



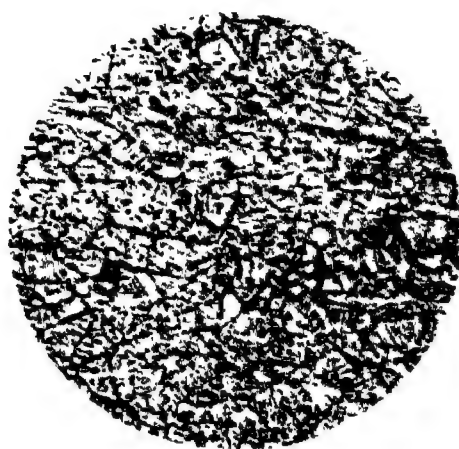
COPPER, BRONZE, SILVER AND GOLD OBJECTS.



No. 1
AFTER LIGHT ETCHING MAGN. $\times 200$



No. 3
MAGNIFICATION $\times 10$

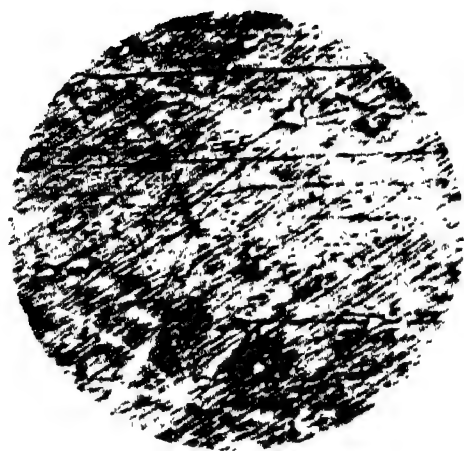


No. 5
MAGNIFICATION $\times 100$.

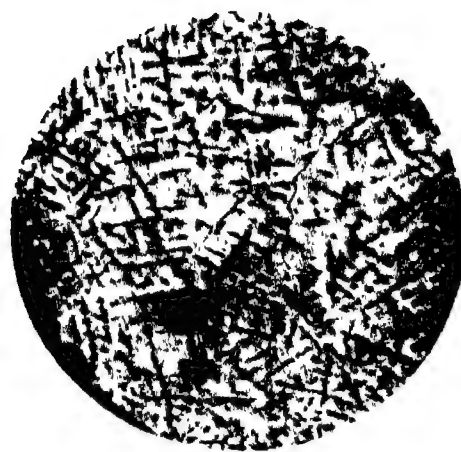


No. 7
MAGNIFICATION $\times 500$.

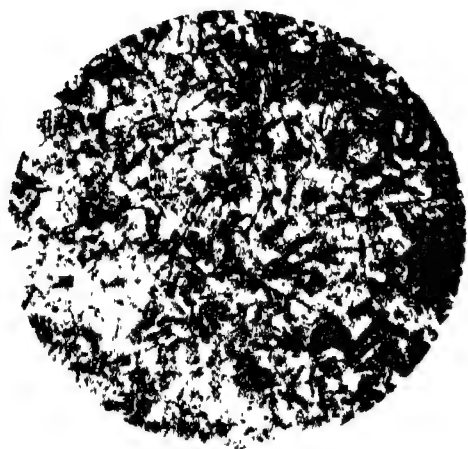
MICROPHOTOGRAPHS OF SPECIMEN 'X' (CHISU).



No. 2
AFTER LIGHT ETCHING MAGN. $\times 200$



No. 4
MAGNIFICATION $\times 10$.

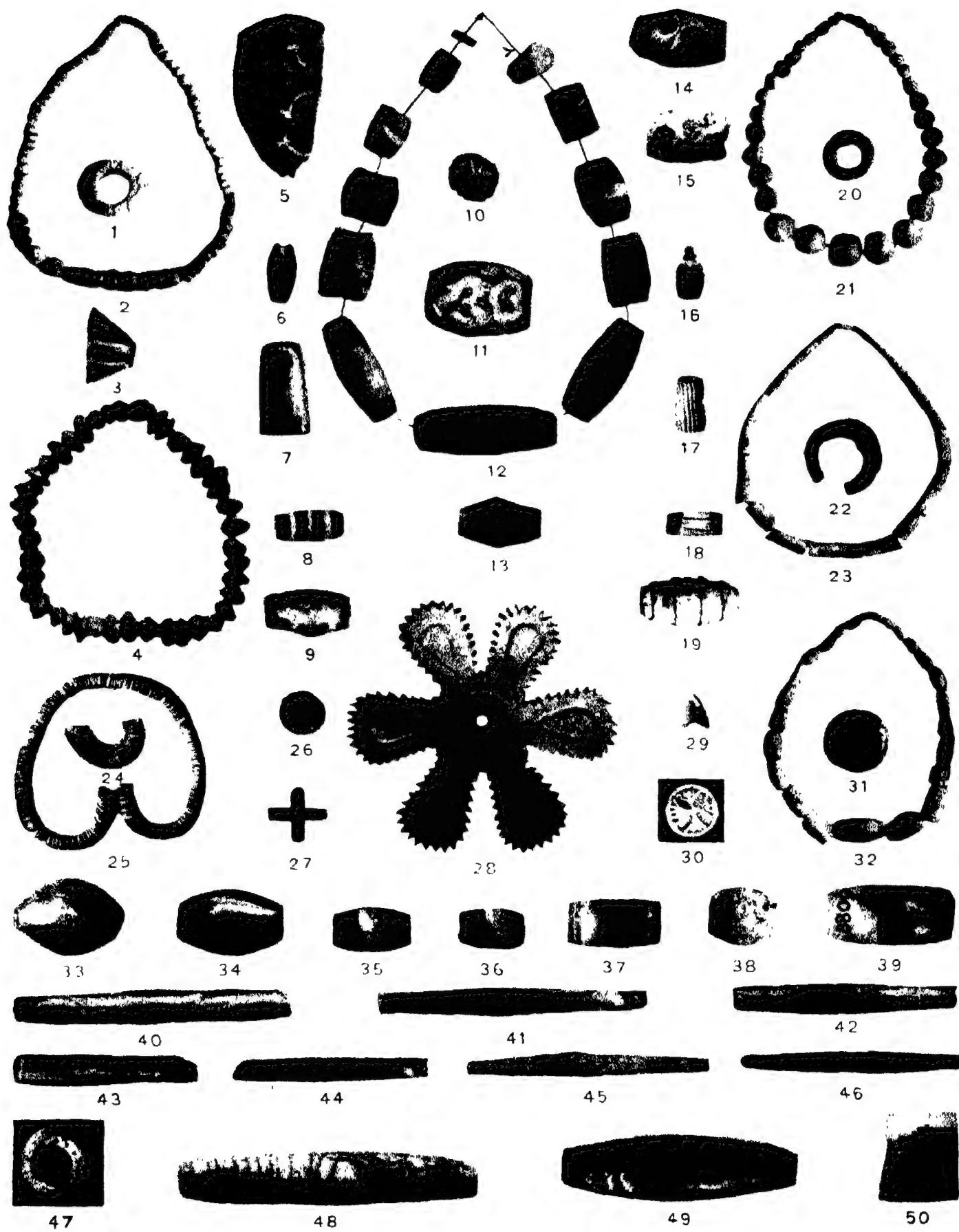


No. 6.
MAGNIFICATION $\times 100$.

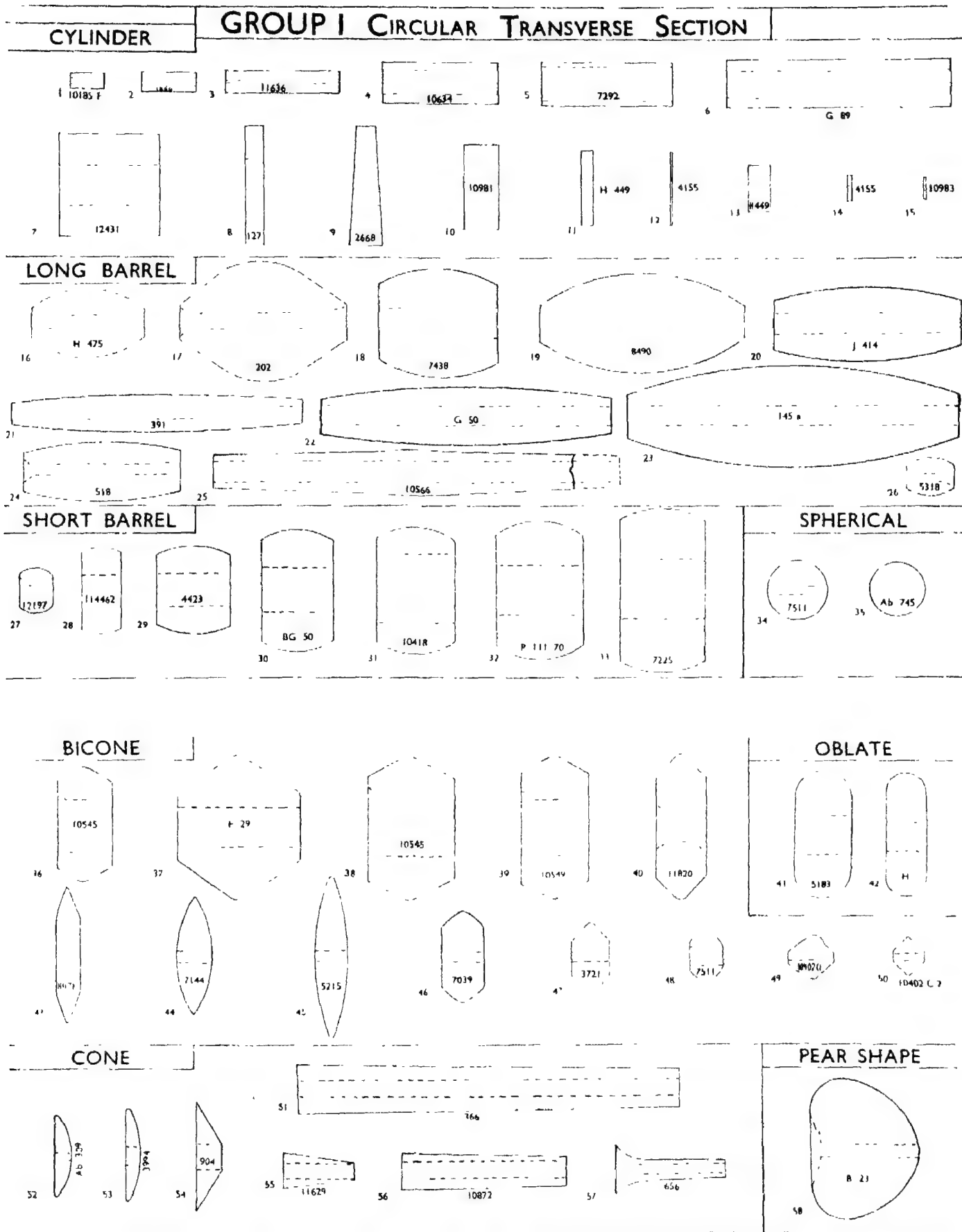


No. 8.
MAGNIFICATION $\times 500$.

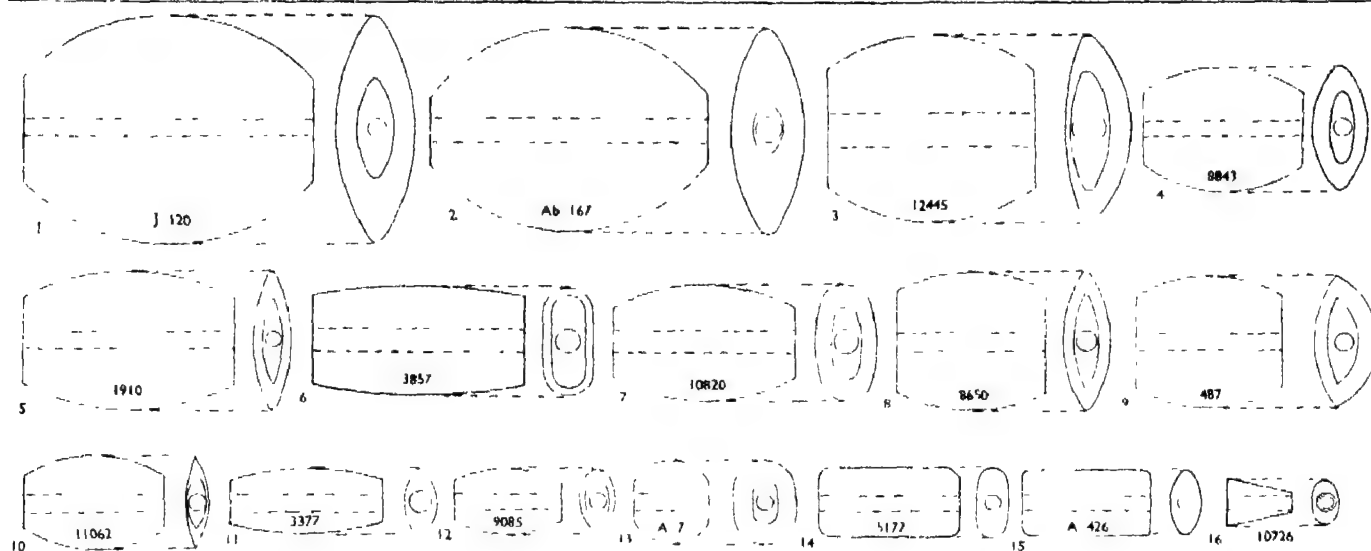
MICROPHOTOGRAPH OF SPECIMEN 277 a/21 (CELT)



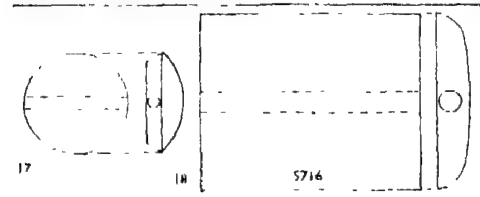
MISCELLANEOUS BEADS.



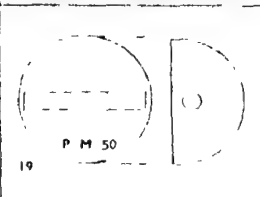
GROUPS II & IV ELLIPTICAL AND LENTICULAR



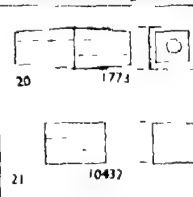
GROUP V PLANO CONVEX



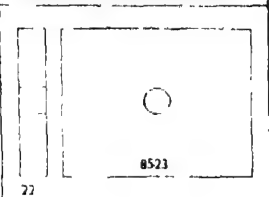
GROUP VI SEMICIRCULAR



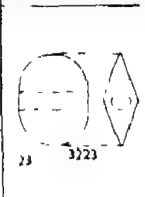
GROUP IX SQUARE



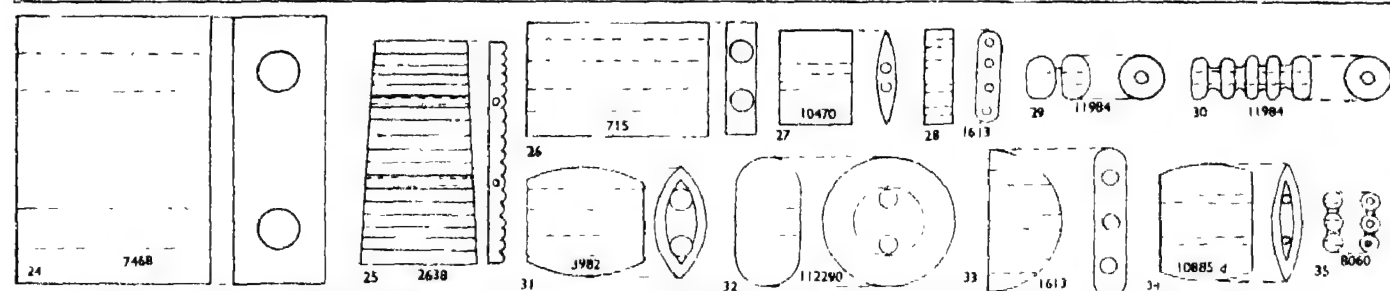
GROUP X RECTANGULAR



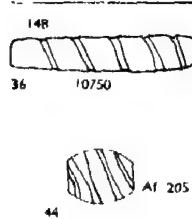
GROUP XI DIAMOND



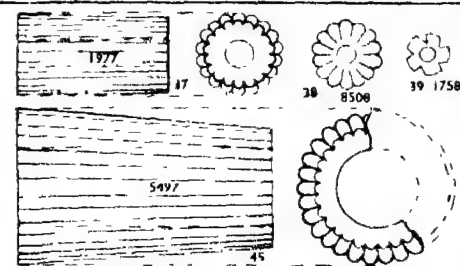
GROUP XVII MULTIPLE and SPACING



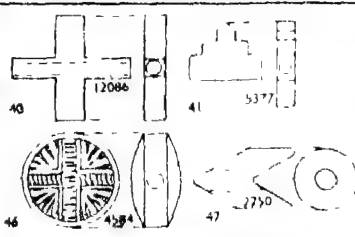
SPIRAL



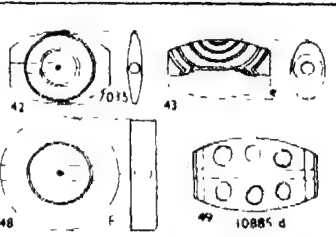
GROUP XXIII NOTCHED and GADROONED



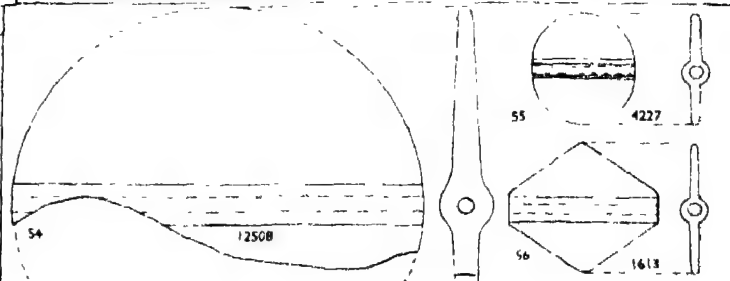
GROUP XXIX EMBLEMS CROSS STEPS



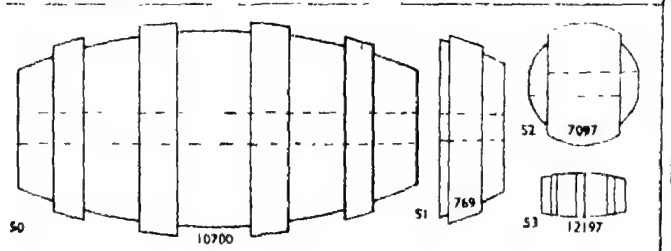
GROUP XLVI EYE BEADS



GROUP XLVIII SUNDRY-16 R



GROUP XLVII



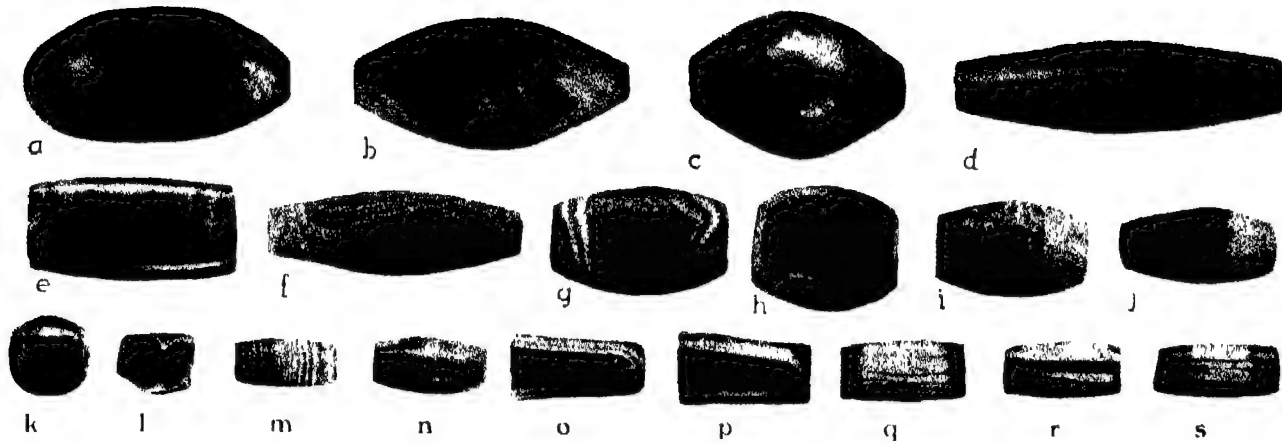


FIG. 1 BEADS OF AGATE

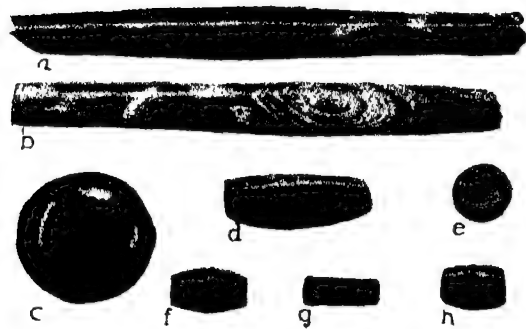


FIG. 2 BEADS OF CARNELIAN

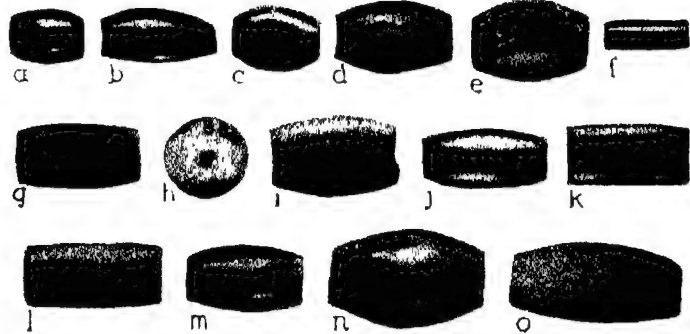


FIG. 3 BEADS OF VARIOUS SILICATE STONES *a-f*, JASPER, *g-k* CHERT, *l-n* CHALCEDONY, *o*, MILKY QUARTZ.



FIG. 4 ETCHED CARNELIAN BEADS



FIG. 5.

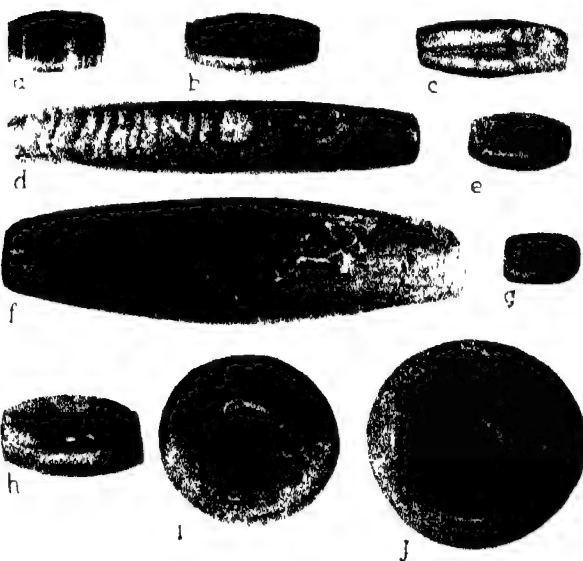


FIG. 6 BEADS OF LIMESTONE & STALAGMIT.

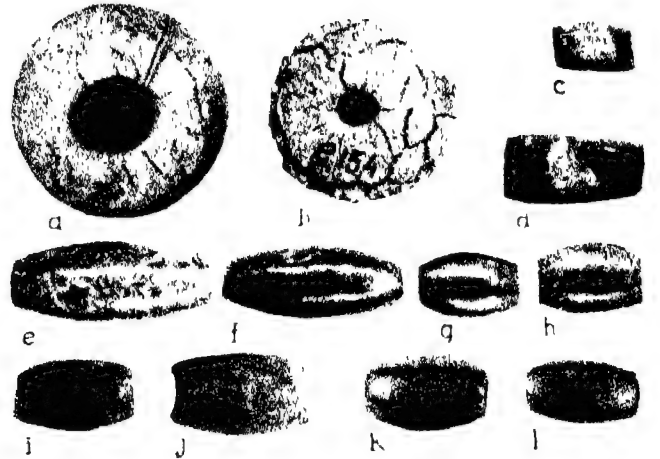


FIG. 7 BEADS OF SUNDRY STONES *a & b*, MARBLE, *c* CALCIT, *d* HORNBLENDE, *e-g*, SERPENTINE, *h* DIORITE, *i & j*, LAPIS, *k & l* JADEITE.

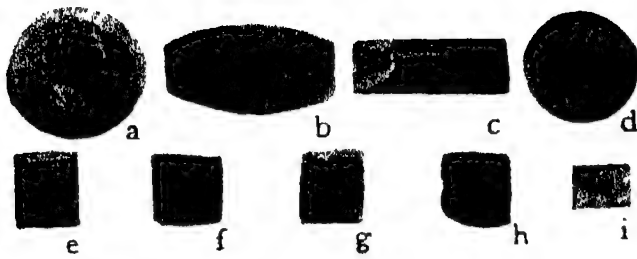


FIG. 1 BEADS OF NATURAL STEATITE.

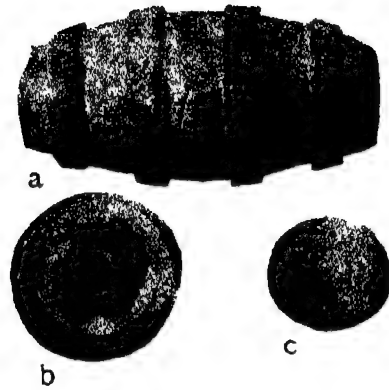


FIG. 2 ZONED BEADS OF BURNED STEATITE.

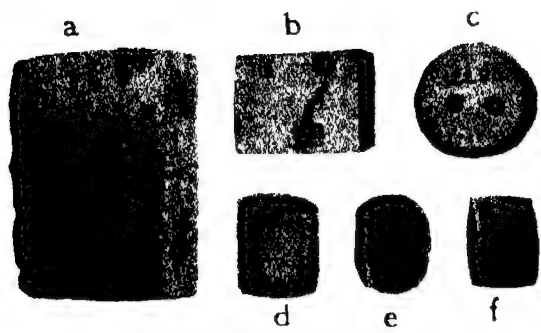


FIG. 3 SPACING BEADS OF BURNED STEATITE.

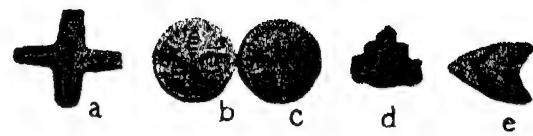


FIG. 4 CROSS, STEP & TOOTH BEADS OF BURNED STEATITE.

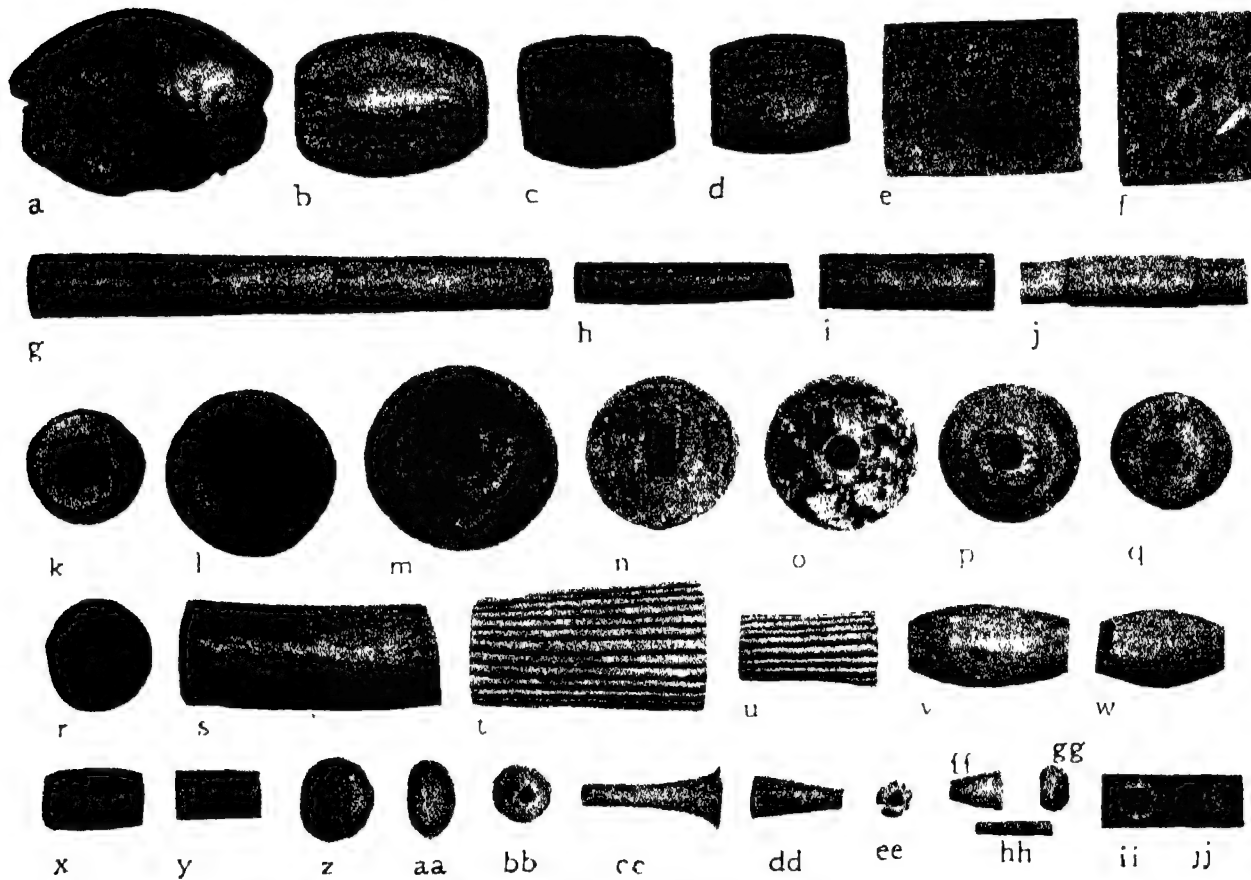


FIG. 5 BEADS OF BURNED STEATITE.

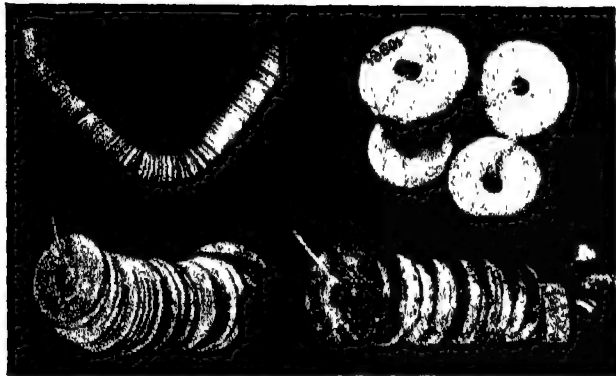


FIG. 1 DISC BEADS OF "BURNT" STEATITE.

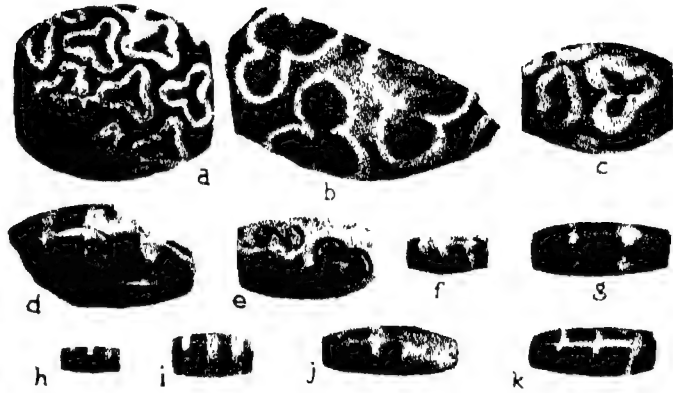


FIG. 2. PAINTED STEATITE BEADS.

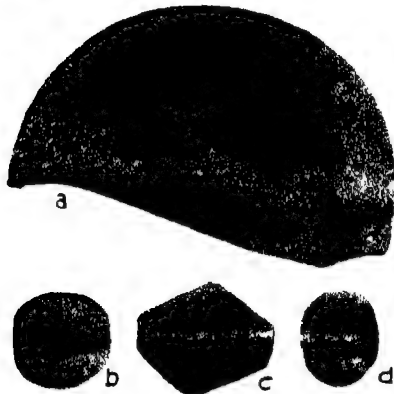


FIG. 3 FAIENGE SPACING BEADS WITH MIDDLE RIB.

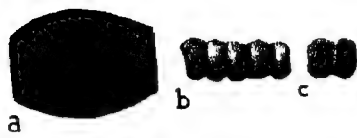


FIG. 6 WHITE FAIENGE BEADS.

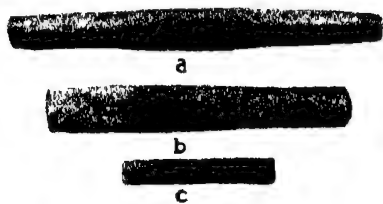


FIG. 7. YELLOW FAIENGE BEADS.

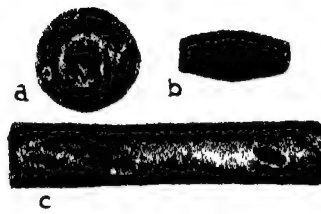


FIG. 8 VARIEGATED FAIENGE BEADS.

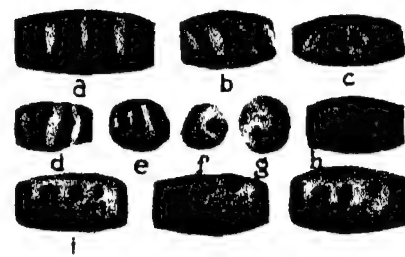


FIG. 9 FAIENGE BEADS- MOSTLY BLUE OR GREEN.

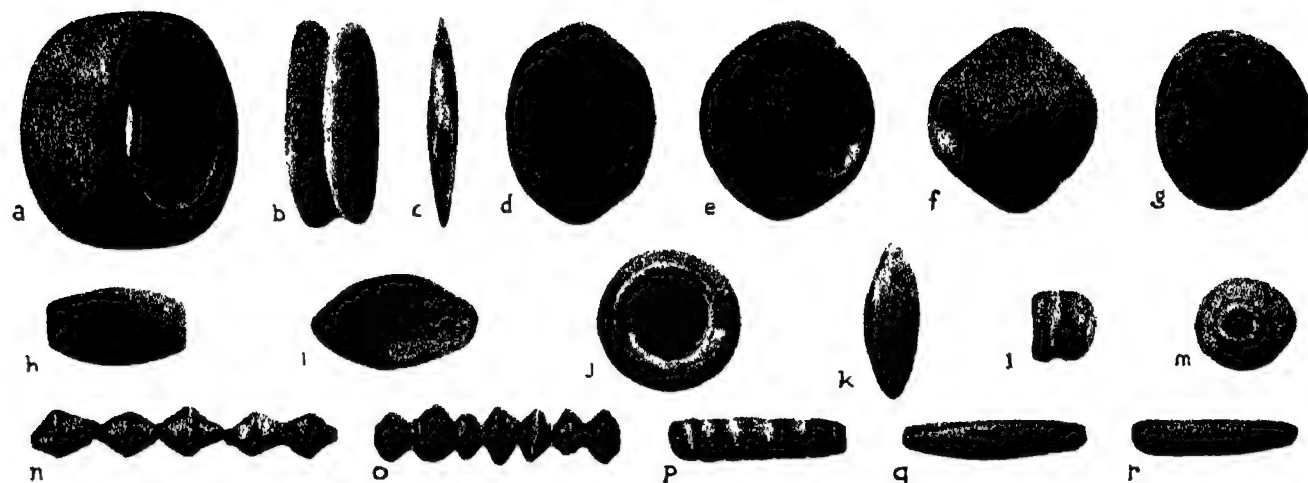


FIG. 1. BEADS OF TERRACOTTA OR POTTERY

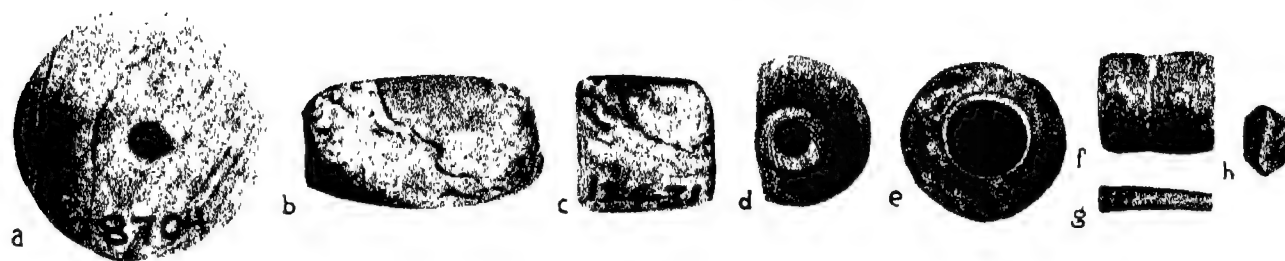


FIG. 2. BEADS OF SHELL



FIG. 3. ZONI BEAD IVORY



FIG. 4. SHELL INLAY FROM UR



FIG. 5. COPPER BEADS



FIG. 6. SILVER BEADS



FIG. 7. GOLD BEADS.



FIG. 8. SMALL STEATITE BEADS $\times 4$.
a, c HARAPPA
b UR



FIG. 9. $\times 1/1$



FIG. 10. SMALL STEATITE BEADS $\times 4$.
a, c HARAPPA
b UR



FIG. 11. $\times 1/1$

MICROPHOTOGRAPHS OF "BURNT" AND PAINTED STEATITE.

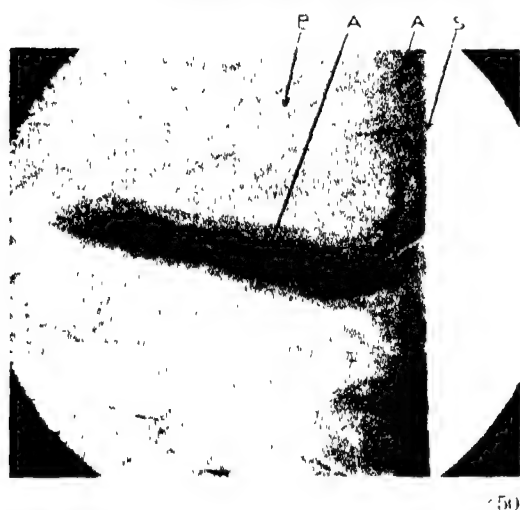


FIG. 1.
SECTION OF "BURNT" STEATITE SEAL FROM
MOHENJO-DARO

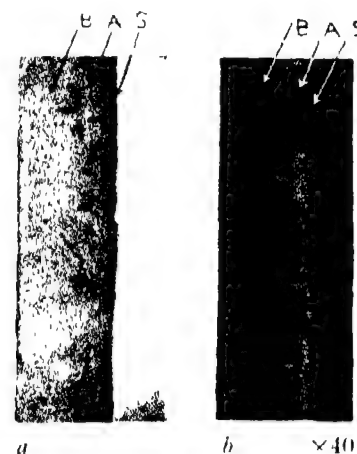


FIG. 2.
SECTION OF "BURNT" STEATITE
SEAL FROM HARAPPA.

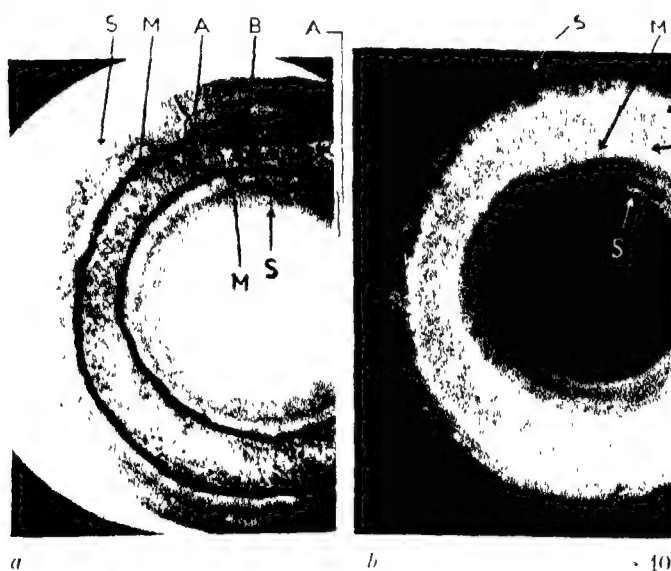


FIG. 3.
SECTION OF "BURNT" STEATITE BEAD FROM HARAPPA.

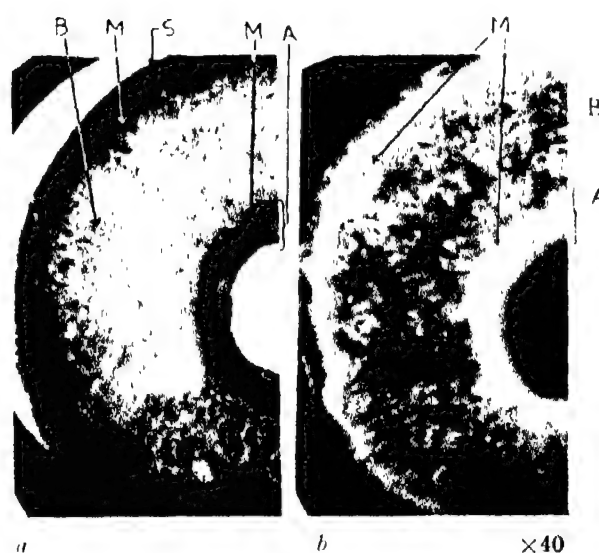


FIG. 4.
SECTION OF "BURNT" STEATITE BEAD FROM UR.

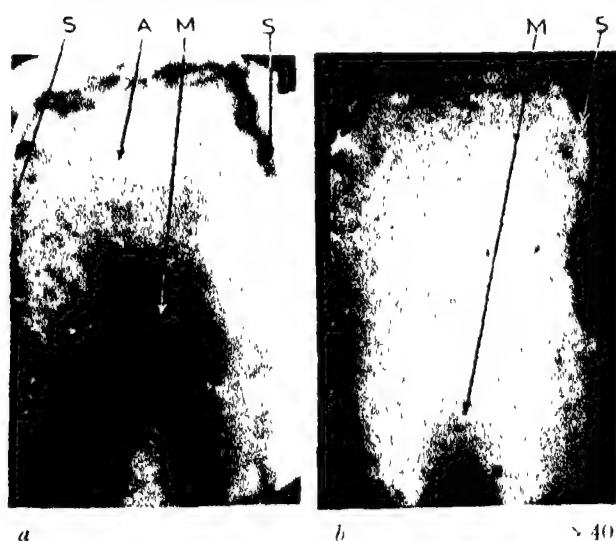


FIG. 5.
SECTION OF "BURNT" STEATITE DISC BEAD
FROM HARAPPA

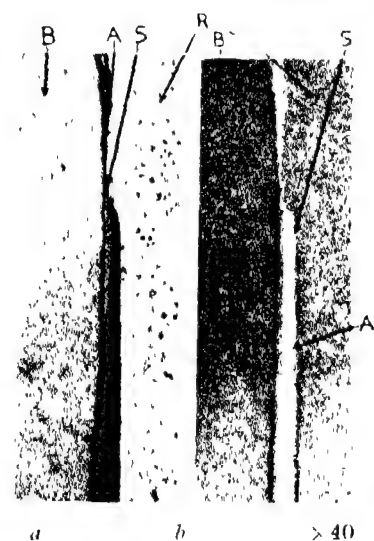


FIG. 6.
SECTION OF UNUSUAL TYPE OF
"BURNT" STEATITE BEAD FROM
HARAPPA.



FIG. 7.
SECTION THROUGH PAINT-
ED STEATITE BEAD FROM
HARAPPA.

A = AFFECTED PORTION
B = BASE

M = AREA OF MAXIMUM EFFECT
R = REINFORCING MATERIAL
S = SURFACE OF SPECIMEN



×40

FIG. 1

SECTION OF A WHITE
LINE ON ETCHED
CARNELIAN TYPE I.
LIGHT REFLECTED
FROM ABOVE.



a

40



b

× 40

FIG. 2

SECTION OF AN IRREGULAR WHITE LINE OF AN
ETCHED CARNELIAN TYPE I.

a ORDINARY TRANSMITTED LIGHT

b LIGHT REFLECTED FROM ABOVE

A= AFFECTED AREA. S= SURFACE OF SPECIMEN
B= BAST BL= BLACK LINE



×40

FIG. 3

SECTION OF A BLACK
LINE ON AN UNUSUAL
FORM OF ETCHED
CARNELIAN TYPE II.



a

× 40



b

×40

FIG. 4

SECTION OF FAIENCE ORDINARY TYPE.

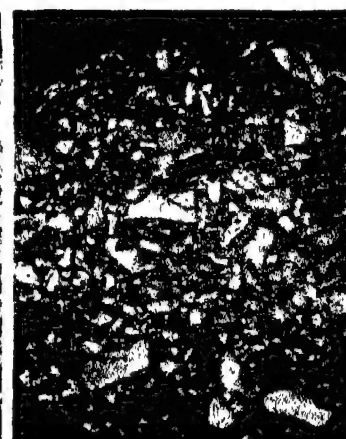
a ORDINARY TRANSMITTED LIGHT

b POLARIZED LIGHT



a

× 40



b

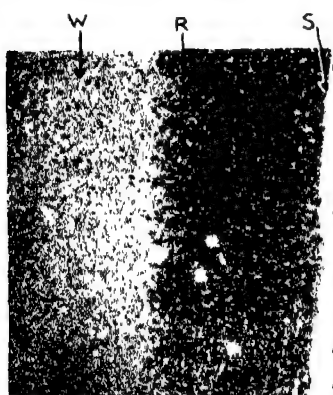
×40

FIG. 5

SECTION OF VERY COARSE FAIENCE.

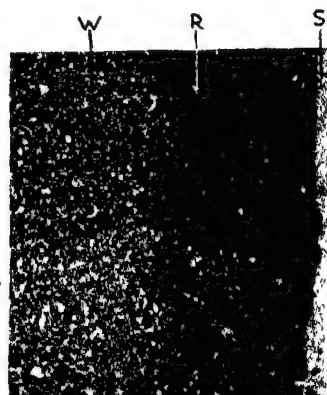
a ORDINARY TRANSMITTED LIGHT.

b POLARIZED LIGHT



a

×40



b

× 40

FIG. 6

SECTION OF VERY FINE VARIEGATED FAIENCE

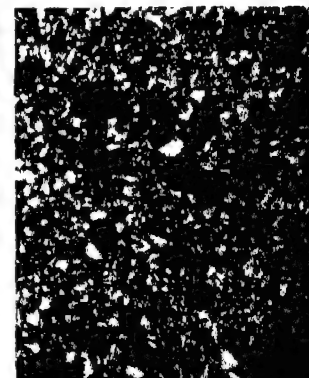
a. ORDINARY TRANSMITTED LIGHT

b. POLARIZED LIGHT.



a

×40



b

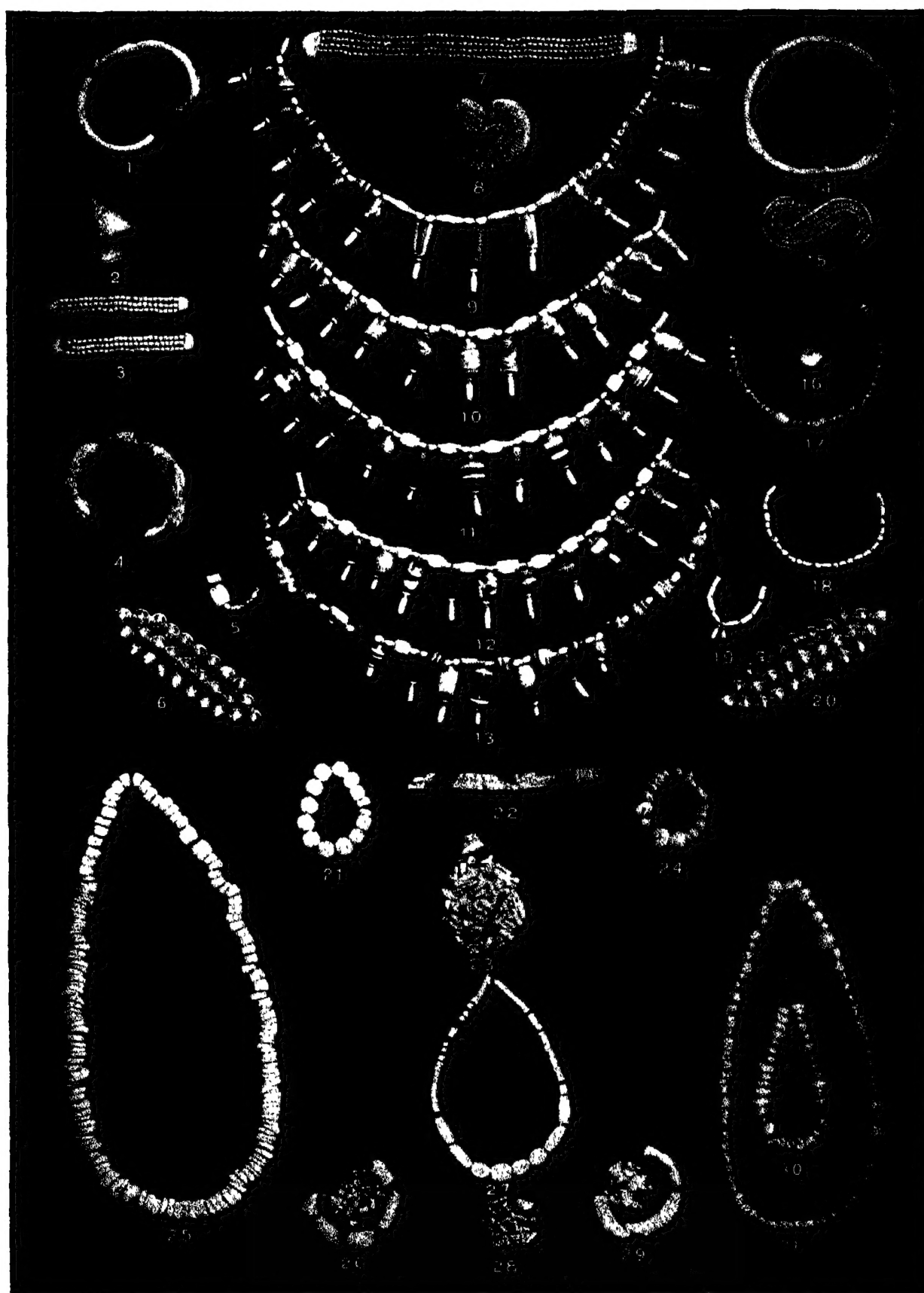
×40

FIG. 7

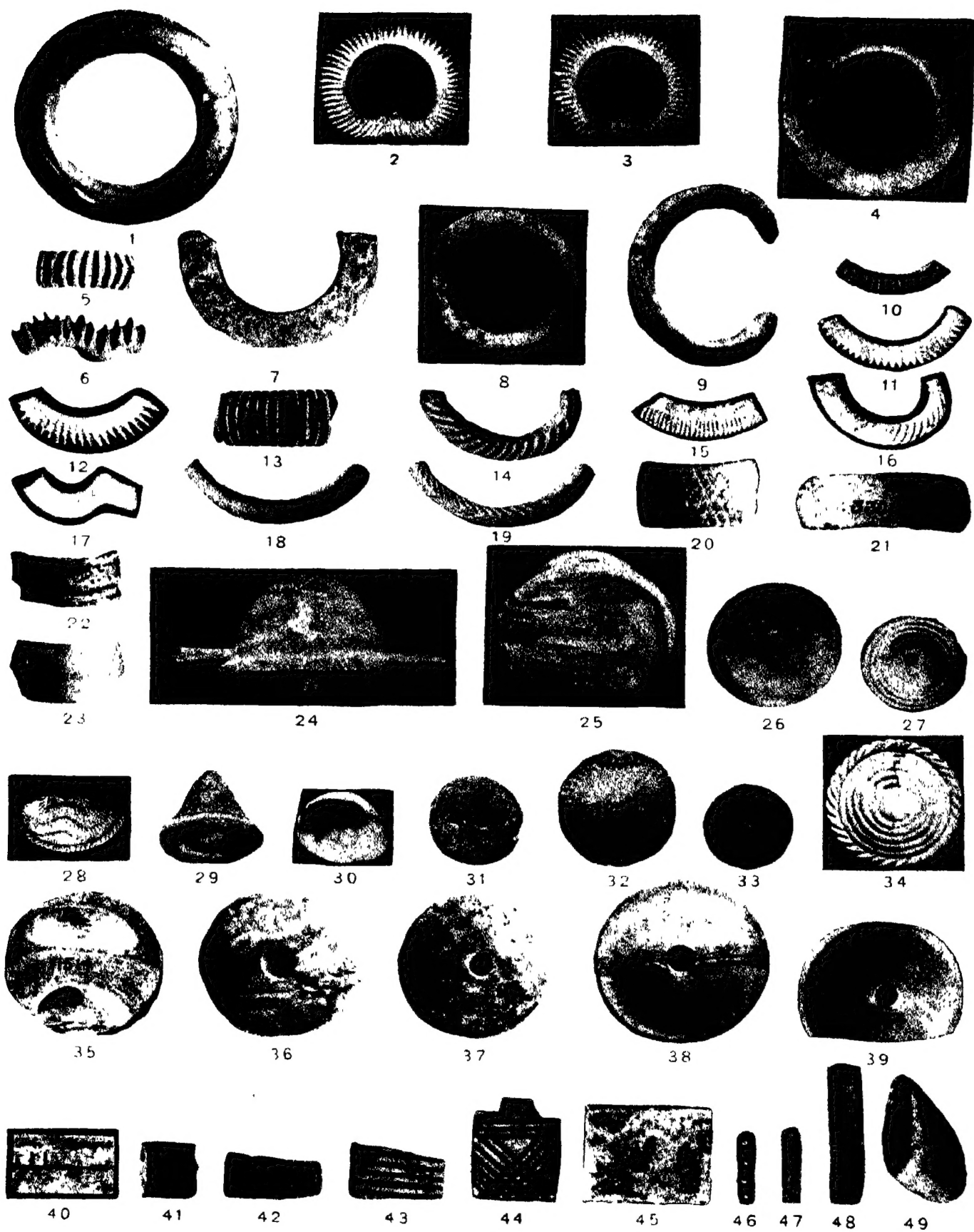
SECTION OF VERY HARD FINE GRAINED FAIENCE
SOMETIMES CALLED VITREOUS PASTE.

a. ORDINARY TRANSMITTED LIGHT.

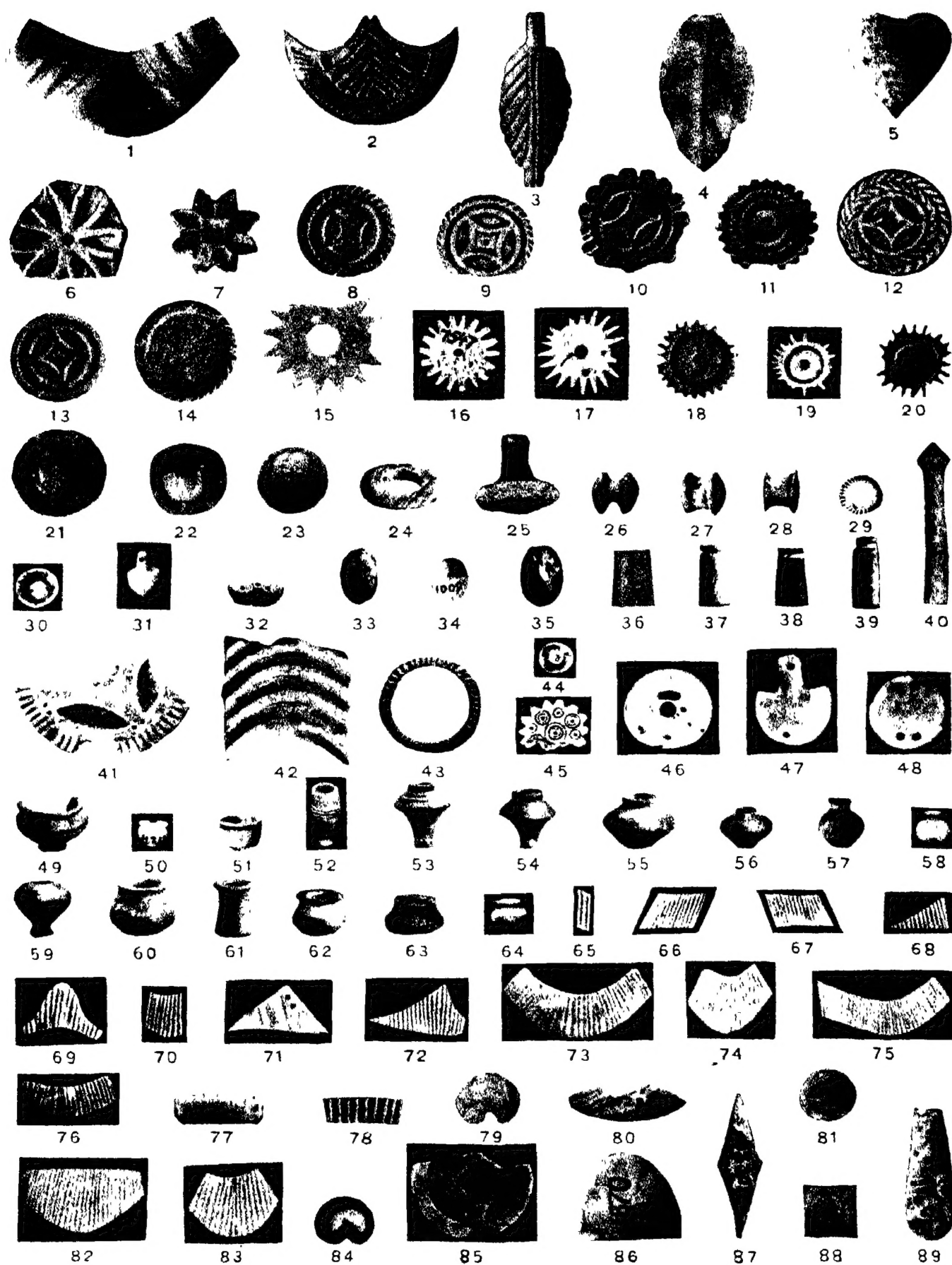
b POLARIZED LIGHT



JEWELRY FROM HOUSE 2, TRENCH IV, MOUND F



PERSONAL ORNAMENTS



PERSONAL ORNAMENTS, UNGUENT VASES AND INLAY OBJECTS

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